BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi & Affiliated to Guru Gobind Singh Indraprastha University, Delhi)

(An ISO 9001:2015 Certified Institution)

A-4, PASCHIM VIHAR, NEW DELHI - 110063

MANDATORY DISCLOSURE

A.Y. 2022 – 2023

FOR B.TECH. PROGRAMME

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1. **Name of the Institution –**

   - **Address including Contact No., E-mail**

     Bharati Vidyapeeth's College of Engineering,

     A-4, Paschim Vihar, New Delhi – 110063.

     Contact No.: 011-25278443, 25278444, 25258637

     E-mail: coedelhi@bharatividyapeeth.edu

2. **Name and Address of the Trust / Society Trustees**

   - **Address including Contact No., E-mail**

     Bharati Vidyapeeth,

     Bharati Vidyapeeth Bhawan,

     LBS Marg, Pune – 411 030.

     Contact No.: 020 – 2440 7114

     E-mail:

3. **Name and Address of the Principal**

   - **Address including Contact No., E-mail**

     Dr. Dharmender Saini

     Principal

     Bharati Vidyapeeth's College of Engineering,

     A-4, Paschim Vihar, New Delhi – 110063.

     Contact No.: 011-25278443, 25278444, 25258637

     E-mail: dharmender.saini@bharatividyapeeth.edu

4. **Name of the Affiliating University**

   - **Address including Contact No., E-mail**

     Guru Gobind Singh Indraprastha University

     Sector 16-C, Dwarka, New Delhi – 110078.

     Contact No.: 011-25302170, 25302111

     E-mail Id: ggsipu.pr@rediffmail.com, pro@ipu.ac.in

5. Governance –

- **Members of the Board and their brief background**

| S. No.	Name with details	:	Constitutional Capacity	Designation
1.	**Dr. Vishwajeet Kadam** Secretary, Bharati Vidyapeeth, Pune.	:	Secretary of the Trust	Chairman
2.	**Principal Dr. K. D. Jadhav** Jt. Secretary, Bharati Vidyapeeth, Pune.	:	Representative of the Trust	Member
3.	**Shri C. B. Sawant** Regional Director, Bharati Vidyapeeth Regional Office, New Delhi.	:	Representative of the Trust	Member
4.	**Prof. M. N. Hoda** Director, Bharati Vidyapeeth's Institute of Computer Applications & Management, New Delhi.	:	Representative of the Trust	Member
5.	**Dr. Yamini Agarwal** Director, Bharati Vidyapeeth's Institute of Management and Research (BVIMR), New Delhi.	:	Representative of the Trust	Member
6.	**Prof. M. N. Doja** Director - IIIT Sonepat.	:	Representative of the Trust	Member
7.	**Prof. Dharminder Kumar** Guru Jambheshwar University, Hissar.	:	Representative of AICTE	Member
8.	**Prof. R. K. Mittal** Professor, USMS, GGSIPU, Sector - 16C, Dwarka, New Delhi – 78	:	Representative of GGSIP University, Delhi	Member
9.	**Mr. Ajay Goel** AVP, Aricent Technologies, Gurgaon.	:	Representative of the Industry	Member
10.	**Mr. Aditya Jain** Manager, E&Y	:	Representative of the Alumni	Member
11.	**Dr. (Mrs.) Anuradha Basu** Professor and Head, ECE, Bharati Vidyapeeth's College of Engineering (BVCOE), New Delhi.	:	Representative of the Teachers	Member
12.	**Dr. Kirti Gupta** Professor and Head, ECE, Bharati Vidyapeeth's College of Engineering (BVCOE), New Delhi.	:	Representative of the Teachers	Member
13.	**Dr. Dharmender Saini** Principal, Bharati Vidyapeeth's College of Engineering (BVCOE), New Delhi.	:	Principal of the College	Member Secretary

- **Members of Academic Advisory Body (Governing Council)**

S. No.	Name with details	Designation
1	Prof. Dharmender Saini	Principal
2	Prof. Kirti Gupta	HOD – ECE Department & Dean – Academic Administration
3	Prof. Anuradha Basu	Dean – Student Welfare & Skill Enhancement
4	Prof. Vanita Jain	Dean – Affiliation and Compliance
5	Dr. Arati Kane	Dean – Faculty Affairs
6	Dr. Preeti Nagrath	Director – Training & Placement
7	Dr. Kusum Tharani	HOD – EEE Department
8	Dr. Sushil Kumar	HOD – Applied Science
9	Dr. Arvind Rehalia	I/c. – 2nd Shift & Incubation Cell
10	Dr. Prakhar Priyadarshi	HOD – IT Department
11	Dr. Pranav Dass	HOD – CSE Department
12	Mr. Vishal Sharma	Incharge – Exam Cell
13	Mr. Sandeep Patil	Admin. Office

Frequency of the Board Meeting and the Academic Advisory Body
Board meeting is regularly held every year and Academic Advisory Body meeting is regularly held every quarterly.

- **Organisational Chart and processes**
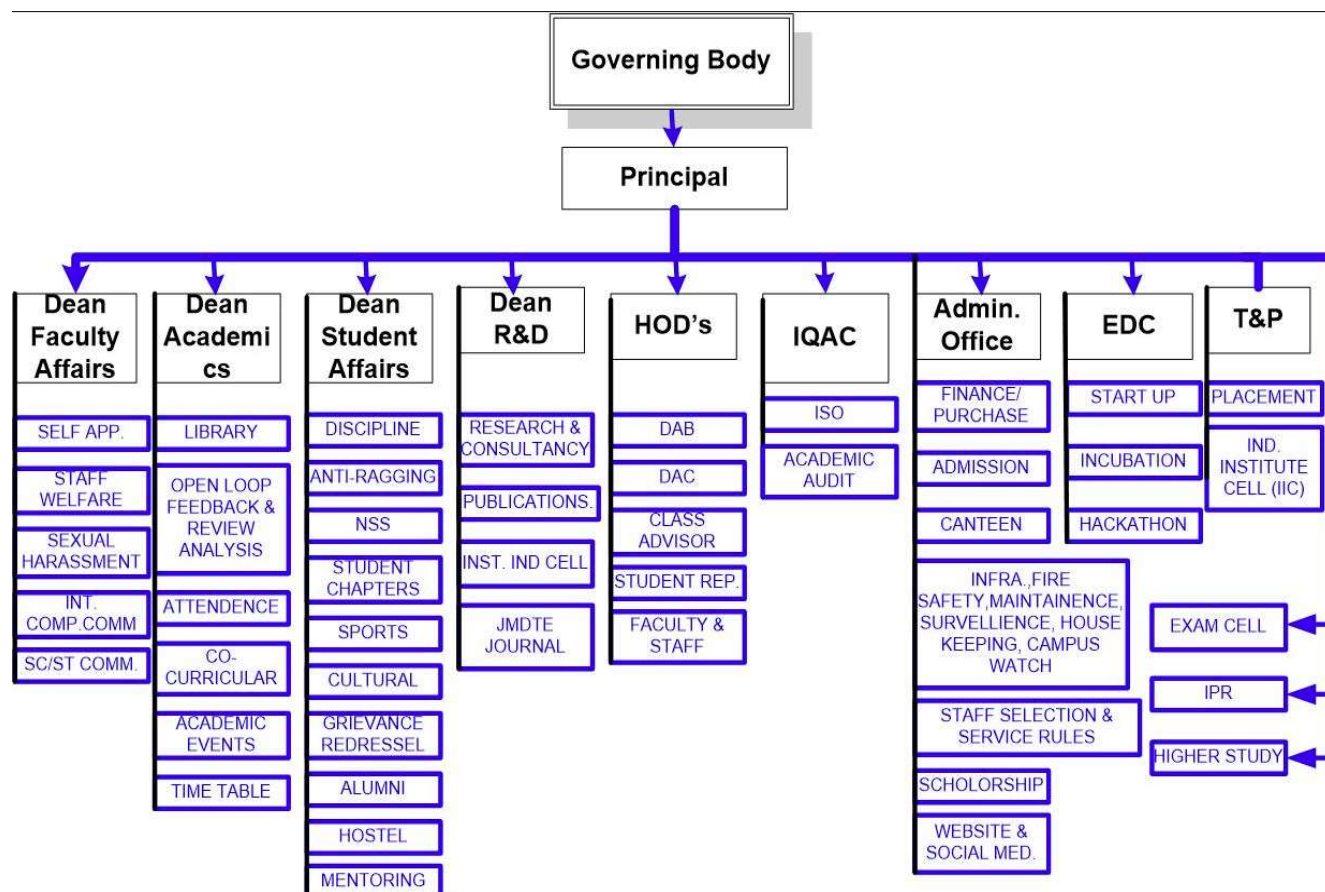
- **Nature and Extent of involvement of Faculty and students in academic affairs/improvements**

  The college has a constituted Board of Governors having 13 members including the members of management committee, eminent educationists, industrialists, bureaucrats and Faculty members of college. The Principal of the college is the Member Secretary of the board. The board meets once in a year and reviews the progress on all fronts. All policy matters relating to additional courses, investment in additional infrastructure and other major resources, major systemic / organizational changes, perspective plan etc. are discussed and decided by the Board of Governors. The board also reviews and passes the annual budget. The Governing Council of the college is composed of the Chairman, Representatives of the Trust, AICTE, GGSIPU, Industry, Alumni & Teachers and Member Secretary. The council meets regularly to review and decide on various functional issues of importance.

- **Mechanism/ Norms and Procedure for democratic/ good Governance**
  The college promotes a culture of participative management. The management of the college rests with its Governing Body, whose member, is appointed in accordance with the guidelines provided by Bharati Vidyapeeth, Pune and AICTE. The Principal is the academic and administrative head of the Institution and also the member secretary of the governing body. The Heads of Departments are responsible for the day-to-day administration of the departments and report directly to the Director. Additionally, every department has distributed various duties among faculty members which play an important role in various institutional functions. These duties have been discussed in departmental meetings conducted and the minutes of these meetings are recorded.

- **Student Feedback on Institutional Governance/ Faculty performance**
  Feedback is obtained from the students in a formal manner at the end of each semester in the prescribed format. The feedback is analyzed by the examination control cell and sends it to the HoD concerned department and a summary of the same is prepared. This feedback mechanism is primarily used for identifying the weaknesses in teaching learning process. The faculty is counseled by the head of the department so as to improve the process of teaching learning. Feedback from the stakeholders such as employers, alumni, parents is obtained at regular intervals from which the adequacy of the curriculum is ascertained. Any changes/ upgradations in the curriculum are discussed by the college academic committee and the same is conveyed to the University for Necessary Action.

- **Grievance Redressal mechanism for Faculty, staff and students**
  In order to redress individual as well as collective grievances of the Faculty, staff and students of the college, a grievance redressal mechanism has been devised. Any aggrieved person may make, in writing, a complaint in written along with supporting documents to any member of committee. The Committee shall discuss and decide on its jurisdiction to deal with the case.

- **Establishment of Anti Ragging Committee**

  The college has Anti Ragging Committee, Anti Ragging Squad as well other Student Counseling Committee as provisioned in UGC/AICTE regulation 2009. Constitution of the committee and the progress report sent to the University.

- **Establishment of Online Grievance Redressal Mechanism**

  In order to address the grievances of Faculty & Staff of College, which are not taken care of by the normal available channels, a separate "Grievance Redressal Committee (GRC)" is constituted. The concerned Faculty / Staff should contact any member of committee, preferably in writing, about their grievance so that suitable remedial action, if required, may be initiated by the committee. The grievance may also be registered online at www.bvcoend.ac.in . It may be noted that anonymous/ unnamed grievance / complaints without proper details will not be entertained. It is expected that this will help maintain a positive, harmonious and conducive atmosphere in the College.

- **Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University**
  For promoting better stakeholder relationship, the institution has set up a grievance redressal cell to attend to each and every complaint. The Institution immediately addresses the problems and solves them effectively. The member of the cell includes HODs, senior faculties and staff members, under the leadership of the Director.

- **Establishment of Internal Complaint Committee (ICC)**
  Under the provision of the Sexual Harassment of Women at Prevention, Prohibition and Redressal Act, 2013, the internal Complaint Committee is formed with 11 members. In event of any incident of sexual harassment, lady staff/student may contact any member of the committee.

- **Establishment of Committee for SC/ST**
  The scheduled Caste (SC) and Scheduled Tribes (ST) Committee is formed to promote the special interest of students in the reserved category and to provide special inputs in areas where the students experience difficulty. According to the regulations framed by AICTE, the Committee must meet at least twice a year and the decisions arrived are mandatorily implemented. The Committee functions under the Chairmanship of the Principal.

- **Internal Quality Assurance Cell**
  The IQAC for each department comprises of HOD and members. The contribution of IQAC in improving teaching –learning process is:
  - ✓ To develop a system for conscious, consistent and catalytic improvement in the overall performance of institution.
  - ✓ Prepare and collect right feedback form to be filled by students so that the teaching style of the teacher can be judged.
  - ✓ Analyze the feedback and give advisory for calibration if required to enhance deliveries. Conduct seminar, interact with academicians and people from industry to get first-hand information on the scientific trend and market need to boost the teaching quality. Conduct periodic auditing of faculty members in terms of lecture deliveries with respect to predefined lecture-wise schedule is carried out and reviewed by HOD and department members (IQAC).
  - ✓ Monitor the performance of the students.
  - ✓ Arrange visiting faculty in thrust areas.
  - ✓ Conduct periodical meetings fortnightly with faculty members for further improvement.

6. **Programmes**

Name of Programmes approved by AICTE –

Sr. No.	Programme / Branch Name	Intake in A.Y. 2022-2023
1	B.Tech. (Computer Science & Engineering)	120
2	B.Tech. (Electronics & Communication Engineering)	180
3	B.Tech. (Electrical & Electronics Engineering)	60
4	B.Tech. (Information Technology)	120
5	B.Tech. (Instrumentation & Control Engineering)	60
	Total	**540**

- **Status of Accreditation of the Courses:**

Submitted NBA SAR in July, 2022 & NBA Expert team will be visiting college for final evaluation of UG-Engineering programs in Tier-II format for grant of NBA accreditation in December, 2022.

For each Programme the following details are to be given (Preferably in Tabular form):

- ✓ Name
- ✓ Number of seats
- ✓ Duration
- ✓ Cut off marks/rank of admission during the last three years
- ✓ Fee (as approved by the state government)
- ✓ Placement Facilities
- ✓ Campus placement in last three years with minimum salary, maximum salary and average salary

Sr. No.	Name of Course (B.Tech.)	Intake	Duration	Entry Level	Annual Fee	Placement Facilities
1	Computer Science & Engineering	120	4 Years	10+2	Rs.1,57,200/-	Yes
2	Electronics & Communication Engineering	180	4 Years	10+2	Rs.1,57,200/-	Yes
3	Information Technology	120	4 Years	10+2	Rs.1,57,200/-	Yes
4	Electrical & Electronics Engineering	60	4 Years	10+2	Rs.1,57,200/-	Yes
5	Instrumentation & Control Engineering	60	4 Years	10+2	Rs.1,57,200/-	Yes
		540				

- **Last Rank for admission during last three years**

Name of Course (B. Tech.)	2021-2022	2020-2021	2019-2020
Computer Science & Engineering	69646	76539	93099
Electronics & Communication Engineering	151838	175528	226903
Information Technology	83540	94800	112788
Electrical & Electronics Engineering	237734	288111	333077
Instrumentation & Control Engineering	325875	539068	857110

- **Placement Facilities**

Bharati Vidyapeeth's College of Engineering, New Delhi believes that each student is a valuable resource. The placement cell focuses on each student to maximize his/her career prospects and assists him/her in achieving the same. Students are placed through campus recruitment programs. The Training and Placement Cell is committed to fulfilling the dreams of all those who graduate from BVCOE, New Delhi. Objective of the placement cell is to place students in good companies. This is achieved through campus selections conducted in the college for which the students are trained in aptitude, technical and soft skills, much ahead of campus selections. The Cell believes in overall development of the students' personality, which will help them to achieve a rewarding career.

Number of students placed by College through its placement Cell

Year	Programme	No. of Students Placed	Minimum Salary in Lakhs per annum	Maximum Salary in Lakhs per annum	Average Salary in Lakhs per annum
2021-2022	B.Tech.	789 Offers Generated	3.36	45	6.5
2020-2021		565 Offers Generated	4	28	4.5
2019-2020		370 Offers Generated	3	19	4.5

- **Name and duration of Programme(s) having Twinning and Collaboration with Foreign University(s) and being run in the same Campus along with status of their AICTE approval. If there is Foreign Collaboration, give the following details:** NA

  ✓ Details of the Foreign University

  ✓ Name of the University

  ✓ Address

  ✓ Website

  ✓ Accreditation status of the University in its Home Country

  ✓ Ranking of the University in the Home Country

  ✓ Whether the degree offered is equivalent to an Indian Degree? If yes, the name of the agency which has approved equivalence. If no, implications for students in terms of pursuit of higher studies in India and abroad and job both within and outside the country

  ✓ Nature of Collaboration

  ✓ Conditions of Collaboration

  ✓ Complete details of payment a student has to make to get the full benefit of Collaboration

- **For each Programme Collaborated provide the following:** NA

- ✓ Programme Focus

- ✓ Number of seats

- ✓ Admission Procedure

- ✓ Fee (as approved by the state government)

- ✓ Placement Facility

- ✓ Placement Records for last three years with minimum salary, maximum salary and average salary

- ✓ Whether the Collaboration Programme is approved by AICTE? If not whether the Domestic/

- ✓ Foreign University has applied to AICTE for approval

7. Faculty

• Course/Branch wise list Faculty members:

• Permanent Faculty

• Adjunct Faculty

• Permanent Faculty: Student Ratio

Name of Course (B.Tech.)	Total Sanctioned Intake for 4 Years	Total Faculty required from First to Final Years	Permanent Faculty Available				No. of Adjunct Faculty
			Professor	Asso. Professor	Asst. Professor	Total	
CSE	120	24	01	04	14	19	-
ECE	180	36	03	05	23	31	-
IT	120	24	01	02	19	22	-
EEE	60	12	03	-	08	11	-
ICE	60	12	-	02	06	08	-
App. Science (1st Year)	-	-	01	01	21	23	01
Total	540	108	09	14	91	114	01

Please Note: Profile of Faculty is already uploaded on our college website www.bvcoend.ac.in

- • **Number Faculty employed and left during the last three years**

Sr. No.	Academic Year	Total Number of Faculty Joined	Total Number of Faculty Left
1	2019-2020	16	06
2	2020-2021	07	06
3	2021-2022	04	08

8. Profile of Director

Staff			Dr. Dharmender Saini	
Designation			Principal	
Department			CSE	
Date of joining the Institution:			11/03/2013	
Date of Birth	15/07/1977		Unique ID	1-2190145949
Qualifications with Class/Grade	**UG** (Degree Name) **B.Tech.**		**PG** (Degree Name) **M.Tech**	**PhD**
Percentage /CGPA -	I-Div		**Percentage /CGPA -**	I-Div
Total Experience in Years (Should not be repeated)	**Teaching (Excluding Research)**	**Industry**	**Research**	**Others**
24 Years	17 Years	7	-	
No. of Papers Published in Journals		**National**	**International**	
		NIL	22	
No. of Papers Presented in Conferences		**National**	**International**	
		NIL	05	
Area of Specialization			Information Security	
PhD Guide? Give field & University		**Field**	**University**	
	N.A.		N.A.	
No. of PhDs/Projects Guided	**PhDs Ongoing**		**PhDs Completed**	**Projects at Master level**
	N.A.			N.A.
Research Guidance (Number of Students)	**No. of Papers Published in National Journals**	**No. of Papers Published in National Conferences**	**No. of Papers Published in International Journals**	**No. of Papers Published in International Conferences**
-	-	-	-	-
Books Published/IPRs (Books Details- Title/ISBN/Publisher/Year)			-	
Projects Carried Out			-	
Courses Taught	**Diploma**	**Post Diploma**	**Under Graduate**	**Post Graduate**	**Post Graduate Diploma**
B.Tech (Under Graduate)			Data Structure, Theory of Automata, FCS	
Patent (Filed/Granted):			N.A.	
Professional Memberships:			ACM, ISTE	
Grants Fetched / Awards Consultancy:			10 lakhs, Research 14.5 Lakh	
Interaction with Professional Institutions:			-	
Technology Transfer:			-	

9. Fee

- **Details of Fee, as approved by State Fee Committee, for the Institution**

- ✓ B.Tech. Course fees Rs. 1,57,200/- per year for Admission Year 2022-2023 (Including Refundable Security Amount of Rs.10,000/-)
- ✓ B.Tech. Course fees Rs. 1,38,200/- per year for Admission Year 2020-2021 & 2021-2022 (Including Refundable Security Amount of Rs.5,000/-)
- ✓ B.Tech. Course fees Rs. 1,35,200/- per year for Admission Year 2019-2020 (Including Refundable Security Amount of Rs.5,000/-)

- **Time schedule for payment of Fee for the entire Programme**
  Charged Annually

- **No. of Fee waivers granted with amount and name of students**
  N. A.

- **Estimated cost of Boarding and Lodging in Hostels :**
  Rs. 1,96,000/- per year per students (Hostel Accommodation Charges & Mess Charges)

- **Any other fee please specify:**
  N. A.

10. Admission

- Number of seats sanctioned with the year of approval 2022-23

Sr. No.	Name of Course	Intake
1	Computer Science & Engineering	120
2	Electronics & Communication Engineering	180
3	Electrical & Electronics Engineering	60
4	Information Technology	120
5	Instrumentation & Control Engineering	60
	Total	**540**

- **Number of Students admitted under various categories each year in the last three years**

Sr. No.	Name of Course	Intake	2021-2022	2020-2021	2019-2020
1	Computer Science & Engineering	120	116+03*	111+04*	113+04*
2	Electronics & Communication Engineering	180	162+02*	160	166+02*
3	Information Technology	60	108+04*	115+04*	110+02*
4	Instrumentation & Control Engineering	120	29	30	18
5	Electrical & Electronics Engineering	60	52	58+01*	53+02*
		540	**467+09***	**474+09***	**460+10***

- **Number of applications received during last two years for admission under Management Quota and number admitted**

Year 2021-2022
Total around **101** applications has been received for admission under management quota.
51 students were admitted under management quota.

Year 2020-2021
Total around **68** applications has been received for admission under management quota. **42** students were admitted under management quota.

11. Admission Procedure

Mention the admission test being followed, name and address of the Test Agency/State Admission Authorities and its URL (website)

- All admissions in B.Tech. Programme are made on the basis of JEE Rank and centralized counseling is held by affiliating Guru Gobind Singh Indraprastha University, New Delhi every year.

  For further details, the following website may be visited:
  Website: www.ipu.ac.in

  Number of seats allotted to different Test Qualified candidate separately AIEEE/ CET (State conducted test/ University tests/ CMAT/ GPAT)/ Association conducted test etc.)

  All Candidates are allotted seats based on JEE (Joint Entrance Examination) rank.

- **Calendar for admission against Management/vacant seats:**

  Admissions under management quota for 10% seats are done as per the guidelines of the GGSIP University & Govt. of NCT of Delhi every year.

  All the admissions are Management Quota are conducted on the basis of JEE Rank & 55% in PCM in 12th Class through separate Online Registration for Counselling on GGSIP University Portal. And Later, Candidates reports physically in the College for admission as per the schedule / guidelines of Guru Gobind Singh Indraprastha University, New Delhi.

- **Last date of request for applications:**

  Admission are done as per GGSIP University Guidelines.

- **Release of admission list (main list and waiting list shall be announced on the same day)**

  Admission are done as per GGSIP University Guidelines.

- **The policy of refund of the Fee, in case of withdrawal, shall be clearly notified:**

  In case of cancellation of admission, fee will be refunded as per the GGSIP University, New Delhi Fee Refund Policy and norms.

12. Criteria and Weightages for Admission

Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc.

Sr. No.	Name of Programme	Eligibility Criteria & Admission Criteria
1	B.Tech.	*Eligibility Criteria:* Pass in 12th Class of 10+2 pattern of CBSE or equivalent with a minimum aggregate of 55% marks in Physics, Chemistry and Mathematics provided the candidate has passed in each subject separately. Candidate must additionally have passed English as a subject of study (core/ elective/ functional) in the qualifying examination. **Admissions Criteria:** All applicants are required to appear in Joint Entrance Exam (JEE) Main Paper 1 Conducted by National Testing Agency (NTA). The University shall not conduct its own CET for admissions, but shall be utilizing the merit of JEE Main Paper 1 for its admissions. The admissions would be based on the merit / rank in the JEE. **Note:** Blind (including colour blind), deaf and/or dumb candidates shall not be eligible for admission in these courses.
2	Lateral Entry to B.Tech. Programmes for Diploma holders	**Eligibility Criteria:** Three-years diploma (completed) in any of the following branches of Engg./Technology with a minimum of 60% marks in aggregate* from any recognized Diploma awarding institute/university/board recognized by AICTE:- Computer Engg; Automobile Engg; Chemical Engg, Civil Engg, Construction Engg, Electrical Engg, Electronics & Communication Engg, Electronics, Instrumentation & Control, Mechanical Engg., Maintenance Engg., Plastic Engg., Printing & Publishing, Production Engg., Public Health & Environmental Engg., Tool & Die Making. **Admissions Criteria:** Applicants must appear in the CET conducted. The admissions would be based on the merit / rank in the CET. *Note: Candidates with Diploma in Architecture are not eligible for lateral entry to Engineering/Technology degree programmes.*

- **Mention the minimum Level of acceptance, if any**
  Not Applicable

- **Mention the cut-off Levels of percentage and percentile score of the candidates in the admission test for the last three years**

Department	2021-2022		2020-2021		2019-2020	
	First Rank	First Rank	First Rank	Last Rank	First Rank	Last Rank
B.Tech. (CSE)	26661	69646	26673	76539	30511	93099
B.Tech.(ECE)	67458	151838	79619	175528	62495	226903
B.Tech. (IT)	69819	83540	66386	94800	52418	112788
B.Tech. (EEE)	119897	237734	141056	288111	108332	333077
B.Tech. (ICE)	160858	325875	221505	539068	255298	857110

13. List of Applicants

- **List of candidate whose applications have been received along with percentile/percentages core for each of the qualifying examination in separate categories for open seats. List of candidate who have applied along with percentage and percentile score for Management quota seats (merit wise)**

  Admission are done as per GGSIP University Guidelines.

14. Results of Admission under Management seats/Vacant seats

- **Composition of selection team for admission under Management Quota with the brief profile of members (This information be made available in the public domain after the admission process is over)**

  The Management Quota Admission Committee comprises following members conducted admission under Management Quota seats according to the PCM merit at 10+2 level, and JEE Main Score.

  1. Dr. Dharmender Saini – Principal, BVCOE
  2. Dr. M. N. Hoda – Director, BVICAM
  3. Dr. Sushil Kumar – Professor, Applied Science, BVCOE
  4. Dr. Prakhar Priyadarshi – Professor – IT, BVCOE

- **Score of the individual candidate admitted arranged in order or merit**

  Admission are done as per GGSIP University Guidelines.

- **List of candidate who have been offered admission**

  Admission are done as per GGSIP University Guidelines.

- **Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate**

  Admission are done as per GGSIP University Guidelines.

- **List of the candidate who joined within the date, vacancy position in each category before operation of waiting list**

  Admission are done as per GGSIP University Guidelines.

15. Information of Infrastructure and Other Resources Available

- **Number of Class Rooms and size of each**
- **Number of Tutorial rooms and size of each**
- **Number of Laboratories and size of each**
- **Number of Drawing Halls with capacity of each**
- **Number of Computer Centres with capacity of each**

  Please find Area Statement of College attached as Appendix 'A'

- **Central Examination Facility, Number of rooms and capacity of each**

College has central Examination Cell which holds responsibility for the administration of examinations. Total rooms available in college for conduct of examination is around 28 with seating of 30 students each.

- **Online examination facility (Number of Nodes, Internet bandwidth, etc.)**

  Number of Nodes: 402
  Bandwidth: Tata Communication Lease line Connection of 100 MBPS

- **Barrier Free Built Environment for disabled and elderly persons**

  To facilitate convenient entrance of disabled and elderly persons to college building, ramps alongside stairs with steel railings have been made. Facility of special toilet for disabled persons has also been provided. The college also has the lift facility of in 3 Blocks.

- **Occupancy Certificate**

  Yes **(Attached as Appendix 'B')**

- **Fire and Safety Certificate**

  Yes **(Attached as Appendix 'C')**

- **Hostel Facilities**

  In campus hostel facilities are provided for girls. Girls Hostel is provided with Air-conditioning facility and WI-FI connections, TV and having a capacity of 100 girls' student. Hostels are provided with magazines and newspaper. The hostel messes are run by the active cooperation and involvement of the students. Students get high quality, well balanced and nutritious vegetarian meals. Girls residing in hostel are given various other facilities:

  - ✓ 24 Hours Power backup
  - ✓ 24 x 7 Security
  - ✓ Canteen / Recreation Centre
  - ✓ Dining Hall with Mess, Induction Cooktop
  - ✓ Medical Room
  - ✓ Solar panel on Hostel Rooftop for hot water
  - ✓ Water cooler along with aqua guard
  - ✓ Fire Extinguishers
  - ✓ Gym
  - ✓ Music Room
  - ✓ Mosquito Repellant Machines & Mosquito Nets
  - ✓ Room Cleaning Facility
  - ✓ Playground for Outdoor games, viz., Basket Ball, Football, Volleyball, Badminton, Cricket Court & Indoor Games viz., Chess, Carrom, Table Tennis, etc.
  - ✓ Library available uptill 09:00 pm including Saturdays & Sundays

16. Library

- **Number of Library books/ Titles/ Journals available (Programme-wise)**

Sr. No.	Course	Number of title of the books	No. of Volume of the Books	National Journals	International Journals
1	B.Tech. (CSE)	1160	9661	8	3
2	B.Tech. (ECE)	1541	12562	13	4
3	B.Tech. (EEE)	1154	10527	5	2
4	B.Tech. (ICE)	905	9588	5	2
5	B.Tech. (IT)	1026	10490	9	2
		5786	**52828**	40	13

- **List of online National/ International Journals subscribed**

  - ✓ 40 National & 13 International Journals are subscribed.
  - ✓ In addition to above, every year the college purchases its own e-journal which are easily accessible to students, namely, IEEE ASPP Online TIER 3 e-journal subscription from EBSCO Information Services India Pvt. Ltd. worth Rs.5,72,088/- in 2022.

- **E- Library facilities / Library Automation / Digital Library**

  Our College has full-fledged Library admeasuring area of 931.73 Sq.M. with Book Bank, Central Library & Reading Room Facility.

  Recently, the College has spent more than Rs.**25** Lakhs on books & journals during and increased the total no. of 52828 books and 5786 no. of titles. The database of books available in the Library is updated on day-to-day basis with details of recently acquired books.

  The library is fully air-conditioned with internet connection for accessing e-journals and other sites of interest. The library catalogue is accessible on the internet to check the availability of books on shelf. A large number of books are available in the reference section covering a wide range of subjects. The section is augmented regularly with latest arrivals.

  The library system is very user friendly with sufficient e-resources to meet the requirements of the users. The e-resources can be searched based on title of the book, author of the book, subject and publication or accession number of the book and the books can be booked online also.

  It has a reading capacity of 120 students & 30 staff at a time and is functional from 09:00 am to 09.00 pm, round the week with following facilities:

  - ✓ Entire Library administration is fully computerized / automated and bar coded with EASYLIB Library Management Software System.
  - ✓ The Library is operated on Libsys Software.
  - ✓ Turnitin software for plagiarism.
  - ✓ Fully computerized & bar coded.

- ✓ More than 1500 CDs are available for students in the digital library.
- ✓ 18 Magazines & 09 Leading Newspapers.

- **National Digital Library (NDL) Subscription**

  National Digital Library of India (NDLI) is a virtual repository of learning resources which is not just a repository with search/browse facilities but provides a host of services for the learner community. It is sponsored and mentored by Ministry of Education, Government of India, through its National Mission on Education through Information and Communication Technology (NMEICT). Filtered and federated searching is employed to facilitate focused searching so that learners can find the right resource with least effort and in minimum time. NDLI provides user group-specific services such as Examination Preparatory for School and College students and job aspirants. Services for Researchers and general learners are also provided. NDLI is designed to hold content of any language and provides interface support for 10 most widely used Indian languages. It is built to provide support for all academic levels including researchers and life-long learners, all disciplines, all popular forms of access devices and differently-abled learners. It is designed to enable people to learn and prepare from best practices from all over the world and to facilitate researchers to perform inter-linked exploration from multiple sources.

  BVCOE Central Library has taken Institutional Member of NDL. College has set NDLI club with the help of NDLI Club Team of IIT Kharagpur.

- **Laboratory Workshop Details:**

  List of Major Equipment/Facilities in each Laboratory/Workshop is mentioned below:

Sr. No.	Name of Dept.	Name of Laboratory	Major Equipment
1	Applied Science	Applied Chemistry	2 Dig.Bal.3rd dec. Place 150g, Conductivity mtr. 2, pH Mtr2, Melt. Pt. Apparatus
2	Applied Science	Applied Physics I	He Ne Laser, Plank Const., Newton Ring Exp., Spectrometer, Optical Fiber exp.
3	Applied Science	Applied Physics II	Photo cell, E.M, RF oscillator, Stefan's law setup, Four Probe Setup
4	Applied Science	Engineering Graphics	Graphics Table Set
5	Applied Science	Engineering Mechanics	Bending Moment, Roof truss, Universal force table, Inclined Plane, Beam Reactions, Differential Wheel, Jib Crane, SFD Instrument, Worm & Worm Wheel, Screw jack, Bell Crank Lever
6	Applied Science	Environmental Studies	BOD,COD, DO Mtr, Magnet Stirrer
7	Applied Science	Workshop	Arc welding, Gas Welding, Grinding, Power Hacksaw, Vertical drilling machine, Shearing Machine, Rolling and bending machine
8	CSE	Object Oriented Programming	Software compliers like-C,C++, 42 i7 Lenovo Systems, Printer, UPS
9	CSE	Data Communication Network	Software-Ubuntu, NS3 Simulator. Hardware - 24PCs, i7 Lenovo Systems, Printer, UPS
10	CSE	Operating System	Software - compilers like C/C++ ,Python in Ubuntu 14.04, 42 PCs Lenovo, Printer, UPS

11	CSE	Computer Organization & Architecture	Software- GNU simulator 8085, Windows 10/Red Hat Linux, 36 - 9th Gen. PC 16 GB RAM 1 TB SDD 21 inch multimedia Monitor, Lenovo, Printer, UPS
12	CSE	Database Management Systems	Software - Oracle 12c, my sql, C, C++ . Hardware - UPS,25PCs i7 Lenovo Systems, Printer
13	CSE	Web Engineering	Software- Eclipse, net beans, tomcat server. Hardware-,UPS,24 i7 Lenovo Systems, printer, UPS
14	CSE	Information Security	Software- c/C++, Windows 10, 36 i7 Lenovo, Printer, UPS
15	CSE	Software Engineering	Software-Star UML. Harware-,UPS,24 i7 Lenovo Systems, printer, UPS
16	CSE	Software Testing	Software- c/C++, Windows 10, 36 i7 Lenovo, Printer, UPS
17	CSE	POPL (Principles of programming language)	Software-C++- Hardware-24 i7 Lenovo Systems, Printer, UPS
18	CSE	WIBD (Web Intelligence and Big Data)	Software-C/C++, Ubuntu 14.04- Hardware-42PCs Lenovo, Printer, UPS
19	CSE	Machine Learning	Software – Python, Hardware - UPS,25PCs i7 Lenovo Systems, Printer
20	ECE	Analog Electronics	Function Generator, DSO, Power Supply, CRO , Multi Meter, 2 channel Digital Oscilloscope, Dual Channel Arbitrary Function Generator, 3 channel 217W Linear DC Power Supply, AFG 1022 Arbitrary Function Generator (4), 22311A-30-3 Manual Triple Channel DC Power Supply (4), Rishabh 410 Multimeter (5), TBS 1052 Digital Storage Oscilloscope(4)
21	ECE	Analog Electronics - II	Function Generator, DSO, Power Supply, CRO, Multi Meter, 2 channel Digital Oscilloscope, Dual Channel Arbitrary Function Generator, 3 channel 217W Linear DC Power Supply, AFG 1022 Arbitrary Function Generator(4), 22311A-30-3 Manual Triple Channel DC Power Supply(4), Rishabh 410 Multimeter (5), TBS 1052 Digital Storage Oscilloscope(4)
22	ECE	Electronic Device (ED)	Function Generator, DSO, Power Supply, CRO, Multi Meter
23	ECE	Microwave	Microwave integrated circuit kit , C-Band Source, Attenuator, Detector, Coupler, Power Supply, VSWR Meter, Frequency Meter, I3D Software, Micro strip Kit, Gunn diode, TBS 1052 Digital Storage Oscilloscope(5)
24	ECE	Digital Communication	MATLAB 2016(b), 15PC Scientech kit for each experiment, kit , Model 2110, model 2151, model ST 2152, model 2153, model 2154, model 2155, model 2156, model 2157, model 2113, Printer HP Laser Jet 1018
25	ECE	ECE-Communication	Scientech kit for each experiment ,kit Model 2201, Model 2202 Model 2203, Model 2110, model 2151, model ST 2152, model 2153, model 2154, model 2155, model 2156, model 2157, model 2113
26	ECE	DSP	Computer Lenovo-15, Matlab Software 2016(b) (15 users), Printer(HP LaserJet1018)
27	ECE	OFC	Optical fiber analog digital trainer kit ST2502
28	ECE	Microprocessor 1 & 2	Microprocessor training cum development kit (ET-8085LCD) , Stepper motor controller interfacing module, Microprocessor training kit (ET-8086 LCD) No of kits-15), GPU System Dell Precision 5820 Workstation(Intel Xeon W-2245/32GB RAM/2TB HDD+256GB SSD/12GB RTX GPU with 3584 cuda cores/21.5" monitor/DVD writer/Keyboard & Mouse/3 year Warranty)

29	ECE	DSD	FPGA kits Xlink, ZYBO BOARD(1) ZYBO, 2 Zed Board((410-248) &(410-479)), Mentor Graphics HEP1, HEP2, 21 Lenovo Computer, Printer HP Laser Jet M1005MFP
30	ECE	VLSI	FPGA kits Xlink, ZYBO BOARD(1) ZYBO, 2 Zed Board((410-248) &(410-479)), Mentor Graphics HEP1, HEP2, 21 Lenovo Computer, Printer HP Laser Jet M1005MFP
31	ECE	Signal & System	Computer Lenovo-15, Matlab Software 6.5 (10 users), Printer (HP1022 Laser Jet)
32	ECE	Switching Theory & Logic Design	Digital IC Tester, Digital IC Trainer, Digital Trainer Kit, Digital Circuit Development Platform, Personal Computers
33	ECE	Satellite And Antenna	ST 2272A Satellite Comm. Trainer KIT, Scintech 2261 Antenna Base Unite S. No. C3201908(1)
34	ECE	Embedded System	Universal Embedded Trainer Board ON89C51RD2
35	ECE	Mobile Computing	QUALNET 5.1, Sensenuts Kit, 06 Intel Core2Duo,07 Intel Core i5
36	ECE	Electrical Technology	D.C SUPPLY, Transformer, Energy meter, D.C Motor, 3 Ph. IM, D.C Motor, Lamp load, UPF Wattmeter, Three Phase Resistive Load, One way, Two way switch kit
37	EEE	Advanced Control System	MATLAB Software & ETAP Software
38	EEE	Scientific Computing	MATLAB Software & SIMULINK
39	EEE	Switching Theory & Logic Design	5 kits of Digital Circuits
40	EEE	Circuit System	Experimental kits to calculate two port network parameter-Z,Y,H & Transmission parameter, interconnection of two 2-port network, MATLAB installed 1 computer
41	EEE	Electric Drives	AC Drives, Single and three-phase Microcontroller, DC series Motor, DC shunt Motor, 3 phase & 1 Phase Induction Motor, Experimental set up for study the closed loop control of BLDC Motor
42	EEE	Electrical Machines	3-phase & 1-phase Induction Motor, Synchronous Motor, Alternator, Direct online starter, DC Shunt Motor, Transformer,3-Point starter, Mechanical Load Set up, DC generator, 1 Computer TFT Monitor, i5 processor, 2.7 Ghz, Syncroscope, 4GB RAM, 500 GB Hard Disk
43	EEE	Power System – I	Panel for calculation of ABCD Parameters for a Transmission Line, Ferranti Effect For Transmission Line, Apparatus for calculation of Resistance of Earth Using Earth Electrodes and Megger, Panel For calculating Dielectric Strength of The Transformer Oil
44	EEE	Analog Electronics- I	Power supply, Function Generator, DSO, 3 computers (i-5 processor, 4 GB RAM, 500GB Hard Disk)
45	EEE	Analog Electronics- II	Power supply, Function Generator, DSO, 3 computers (i-5 processor, 4 GB RAM, 500GB Hard Disk)
46	EEE	Powersystem-2	Single Line Ground Fault Kit, Differential Relay, Instantaneous over current relay kits, IDMT Kits, Transformer protection & ETAP Software 10 users
47	EEE	Utilization of Electrical Energy Lab	1Phase Energy meter kits, polar curve & inverse low kits, Iron losses kits, power factor meter kits, Transformer turns Ratio kits, Phantom Loading kits and Silsbee kits
48	EEE	Microprocessor and Microcontroller	Microprocessor Kit 8086 (Advanced Version)- 16, Interfacing Modules (8255, 8253, Stepper Module) 3 computers(I-5 processor, 4 GB RAM, 500GB Hard Disk)

49	EEE	Power Electronics	SCR &TRAIC, MOSFET,UJT, Single phase HWR, Single phase fully controlled, AC phase control, Cyclo Converter, Buck and Boost converter, TYPE-C Chopper and SPWM Inverter kit
50	ICE	Bio-Medical Instrumentation	Pacemaker Trainer kit, Respiration Rate Monitor Trainer, EMG Trainer, ECG Machine, Pulse Oximeter, Blood Pressure Instrument, Biofeedback machine, Desktop PC-2
51	ICE	Control Systems / MCS / DCS / ISC	DC Motor Speed Control Kit, DC Position Control Kit, AC position Control Kit Synchro-transmitter/ Receiver Kit, PID Controller Kit, Linear System Simulator, Lead Lag Compensator, Computer Desktop PC-11, Printer
52	ICE	Power Electronics	SCR turn on Method Trainer kit, Speed Control of DC Motor Circuit Trainer, Commutation Trainer, Chopper Trainer, SCR Trainer, DC to AC inverter Trainer, R and RC firing Circuit Trainer, SCR, TRIAC, UJT and DIAC characteristic kit
53	ICE	Electronic Instruments & Measurements & Electrical Measuring Instruments & Transducers	Kelvin Bridge, Hay Bridge, Maxwell Bridge, Andrson Bridge, Owen Bridge, Schering Bridge, CT, PT, Trainer kit of LVDT, RTD, Thermocouple, Strain Gauge, Ultrasonic Distance, Pressure Measurement, Optical, Load Cell, Speed Measurement IR, Magnetic Pickup, Thermistor, 30MHz CRO, OP-Instrumentation amplifier kit, LCR Meter, Digital Frequency Meter, Three Phase Power measurement kit by two watt meter kit, 3 Phase autotransformer, testing of single phase and three phase electromechanical energy meter, measurement of power line parameters using series RLC load, Calibration of ammeter and voltmeter using potentiometer kit, function generator
54	ICE	Embedded Systems / Microprocessor & Microcontroller	89C51RD2 development board-10nos, Desktop PC- 15 nos.
55	ICE	Pneumatics & Hydraulics	Pneumatic Electro Pneumatic, Hydraulics, Electro Hydraulics Package, Software Simulator PLC for Electro Pneumatic Trainer, Air Compressor, Siemens PLC, Easy Port H/WS/Winter face, 2 PC
56	ICE	Robotic	Modular Production System Festosiemens PLC Programming, Robot crane, X-Y Plotter 2 Elevator system for smart communication, Balloon Bursting Robot, Line Follower , Encoder kit,Desktop PC2
57	ICE	Process Control	Cascade control kit, Control valve characteristic kit, Ratio control Kit, PID kit, Adam view Kit, NEPI software, D71Compressor, Desktop PC -2
58	ICE	Virtual Instrumentation / Industrial Instrumentation	NI data acquisition cards (NI-9472, 9477,9425,9219,9265), PC-2nos, P^H measurement, conductivity measurement, Flow measurement, Temperature measurement, strain measurement, pressure measurement, speed measurement kit
59	IT	Fundamentals of Computing	Libre/ Open Office, Linux, Turbo C, 34 I7-9th Gen. PC 16 GB RAM 1 TB SDD 21 inch multimedia Monitor , 1 No.. HP1018 Network Printer
60	IT	Introduction To Programming	Libre/ Open Office, Linux, Turbo C, 34 I7-9th Gen. PC 16 GB RAM 1 TB SDD 21 inch multimedia Monitor , 1 No.. HP1018 Network Printer
61	IT	Microprocessor And Micro-Controller	Microprocessor Kit 8086 (Advanced Version)- 16, Microprocessor Kit8085, Interfacing Modules (8255, 8253, Stepper Module)-05, Time Division, 1 HP Laser Jet 1007 Printer
62	IT	Mobile Computing	14 Intel C2D PCs, 2.93 GHz 2 GB RAM. 6 Intel Core i5, 2.90 GHz, 4 GB RAM. GPS Development-1 Kit, Bluetooth Trainer-1 Kit, CDMA-2Kit, Spectrum Analyser-1, GSM Trainer Kit-2, Mobile Trainer-1 Kit, 1 HP Laser Jet 1020 Printer, NMIT 4.1 Software

63	IT	DCN	14 Intel Core2Duo 2.93 GHz, HDD-500 GB, RAM-2GB, 19" TFT Monitor 8 Intel I5 PCs HDD-500, 4 GB RAM. Turbo C++ Software, HP Laser Jet M1005 Printer
64	IT	Object Oriented Programming	14 Intel Core2Duo 2.93 GHz, HDD-500 GB, RAM-2GB, 19" TFT Monitor. 6 Intel I5 PCs HDD-500, 4 GB RAM. Turbo C++ Software, HP Laser Jet M1005 Printer
65	IT	Digital Signal Processing	8 Intel Core2Duo, 9 Intel I5 PC, 2.90 GHz, RAM-2GB, HDD-500 GB, 1 HP Laser Jet 1022 Printer, MATLAB Software 2017(b) (10 Users)
66	IT	Math	8 Intel Core2Duo 2.93 GHz, HDD-500 GB, RAM-2GB, 19" TFT Monitor. 9 Intel i5 PCs HDD-500, 4 GB RAM. Turbo C++ Software, HP Laser Jet M1005 Printer
67	IT	Communication System	10-Intel- Core 2 Duo PCs-2.93GHz, 2 GB RAM, Computer Core i5, 2.90 GHz, 4 GB RAM, 1 HP Laser Jet 1007 Printer, 10-Intel- Core I5, 2.90 GHz, 8 GB RAM, 1 TB HDD, 19" TFT Monitor, 1 HP Laser Jet 1007 Printer, 1 GPU - Dell Server Xeon 2125 CPU 4.00Ghz, 32 GB RAM, 2TB HDD
68	IT	ECMC	10-Intel I5, 2.90 GHz, 8 GB RAM, 1 TB HDD, 19" TFT Monitor, HP Laser Jet 1007 Printer, MATLAB
69	IT	Data Structure	17 PCs:, Intel Core 2 Duo, 2.90 GHz, HDD-500 GB, RAM-2 GB, 19" TFT Monitor, 16 PCs 9th Gen. PC 16 GB RAM 1 TB SDD 21 inch multimedia Monitor. 01 PC: Intel i5, 1 HP Laser Jet 1022 Printer, Software Turbo C++
70	IT	Advance Computer Network	10-Intel- Core I5, 2.90 GHz, 8 GB RAM, 1 TB HDD, 19" TFT Monitor
71	IT	Web Engineering	14 Intel Core 2 Duo PCs 2.93 GHz, HDD-500 GB, RAM-2 GB, 19" TFT Monitor. 6 New Intel Core i5: 2.90 GHz, HDD-500 GB, RAM-4 GB, 19" TFT Core, Software Turbo C
72	IT	Computer Graphics & Multimedia	14 Intel C2D PCs, 2.93 GHz 2 GB RAM, 6 Intel Core i5, 2.90 GHz, 4 GB RAM, 19" TFT Monitor. Software Turbo C, Blender
73	IT	Algorithms Design & Analysis	8 Intel Core2Duo PCs: 2.93 GHz, HDD-320 GB, RAM-2 GB, 19" TFT Monitor. 9 Intel Core i5: 2.90 GHz, 4 GB RAM, 500 HDD, Turbo C
74	IT	Big Data Research	LenE73-10, Len15, Printer-1, Ubuntu15, Red Hat15SQL Server 2012 End Point Prot. Manager, System Control Configuration Manager, Hyper VSR IBM (Tower Server)
75	IT	COA	Software- GNU simulator 8085, 8, Intel Core2Duo,1 9 i5 PC, 2.90 GHz, RAM-2GB, HDD-500 GB, 1 HP Laser Jet 1022 Printer
76	IT	DBMS	14 Intel C2D PCs, 2.93 GHz 2 GB RAM, 8 Intel Core i5, 2.90 GHz, 4 GB RAM, 19" TFT Monitor, SOFTWARE-MySQL

- **List of Experimental Setup in each Laboratory/Workshop**

All experiments are conducted as per the syllabus prescribed by University.

- **Computing Facilities**

Internet Bandwidth

Tata Lease line Connection of 100 MBPS with free access to Staff & Students

Number and configuration of System

Sr. No.	Configuration	Quantity
1	I7 9th Gen. PC 16 GB RAM 1 TB SDD 21" Multimedia Monitor	100
2	Intel Core i7, 3.19 GHz, 8 GB RAM, 1 TB HDD	100
3	Intel i5, HDD-500 GB, RAM – 4GB, 19" TFT Core	100
4	Intel i5, HDD-500 GB, RAM – 4GB, 19" TFT Core	100
5	Intel Core 2 duo , 2GB ram 350 GB HDD, 17" Monitor	200
Total		**600**

- **Total number of system connected by LAN / WAN**

  600

- **Major software packages available**

Following is the list of all the software of different nature being used by the Institute:

Legal System Software	Legal Application Software
Linux	Red hat Enterprise (Open Source)
Microsoft Open Value Subscription Agreement for Education Solution (Volume Licensing) Product Code: X20-08360	ORCAD S/W from CADENCE (Academic version 14.1) (10 Licenses)
	Visual Studio Visual Studio .Net Visual Fox Pro Visual Fox Pro Visual Fox Pro Visual C++ Visual Basic Visual Basic.Net
	MS Visual Studio MS Dot Net
	IE3D (Licensed 3 user)
	OPSIM (Licensed 5 User)
	Nokia Qualnet (Licensed 5 User Server Based)
	Net Sim Software 3.0 (Licensed 10 Users)
	Baan Software (Licensed 8 Users)
	MATLAB 6.5 Version (Licensed 10 Users) MATLAB 7.4 Version (Licensed 10 users)
	Autocad 2011 (5 User Licensed)
	PC LISP (15 Licenses)
	MS Office 365 (60 Licenses) Turbo C ++ Academic
	Keil Professional Developer Kit Version 7.0 (04 Licenses)
	SQL Server 2000. Access 2007 SQL Server 2005.
	GIS Software (ROLTA) (Geomedia Professional 5.1): Geomedia, Geogrid, Geoimage analysis (01 License) VHDL s/w. view logic, version 1.1.1 2000.4 (INNOVEDA Incl.) (10 Licenses)
	A. Computerized Speech Lab (CSL) Model - 4500

	B. CSL 4500 Phonetics Programs Models – 5294
	Robotics Kits (Qty. 06), Embedded Software (01 Set), Firmware Transfer Systems (04 Sets)
	Turbo Assembler (8086)
	Lab View (50 Users), E-TAP (5 User), MATLAB (7.0) (5 Users), PSCAD (Single User)
	Mentor Graphics HEP1 and HEP2 (30 user)
	Other Application utilities under MSDN Academic Alliance.

- **Special purpose facilities available (Conduct of online Meetings / Webinars/ Workshops, etc.)**

  Dedicated special purpose facilities are available in the College for conduct of Online meetings, Webinars, Workshops, viz,

  - NKN Link
  - Edusat Laboratory
  - Conferencing facility
  - Video Multimedia
  - LCD
  - Overhead Projector with screens
  - Interactive Boards
  - Wi-fi Connectivity

- **Facilities for conduct of classes/courses in online mode (Theory & Practical)**

  All classrooms are equipped with Smart-class Systems along with Internet for conducting Hybrid / Online Classes. Theory / Practicals in Language Laboratory are conducted in Hybrid / Online Mode.

- **Innovation Cell**

  BVCOE, New Delhi's "INCUBATION CENTRE" for Innovation, Incubation and Entrepreneurship is dedicated to promote innovation and Entrepreneurship. It is a pedestal to help knowledge driven enterprises to establish and prosper under organized scientific guidance. It also facilitates swift commercialization of a product based on sophisticated technology.

  The main objective of this centre to produce successful firms that will leave the program financially viable and free-standing. These incubators "graduates" create job, commercialize new technologies, and strengthen national economies. Incubator tenants not only benefit from business and technical assistance, they also benefit from official affiliation with the incubator, a supportive community with an entrepreneurial environment, direct link to entrepreneurs, and immediate networking and commercial opportunities with other tenant firms.

- **Institute Industry Cell**

The Institute Industry Cell of the College is constituted as under:

Sr. No.	Name of Representative	Designation
1	Dr. Dharmender Saini Principal	Director
2	Dr. Preeti Nagrath T&P Director & Asso. Professor – CSE Dept.	Incharge
3	Dr. Arati Kane HOD, ICE & Asso. Professor	Member
4	Ms. Rachna Narula Asst. Professor – CSE Dept.	Member
5	Ms. Sarita Training & Placement Officer	Member
6	Mr. Deepanshu Rawat (EEE – 4th Year Student)	Member
7	Ms. Kanishka Aggarwal (CSE – 4th Year Student)	Student Representative
8	Mr. Dhananjay Singh Makker (IT – 4th Year Student)	Student Representative
9	Mr. Shivam Kapur (ECE – 4th Year Student)	Student Representative

- **Social Media Cell**

College has Facebook, Twitter, Instagram, LinkedIn etc. account. Information related to various events are posted on social media regularly.

- **Compliance of the National Academic Depository (NAD), applicable to PGCM/ PGDM Institutions and University Departments**

Not Applicable

- **List of facilities available**

Games and Sports Facilities

Sports & Gym facility

The college has always created a niche for itself in the field of sports. The college has since long times, been participating in various inter institution, state level tournaments. In sports, our college provides well-furnished facilities for both indoor and outdoor games to the students like, Volley Ball, Cricket, Basket Ball, Table Tennis, Table Tennis, Chess, Carrom, etc.

A large number of sports activities are organized in the college aiding the students to display their talent in sports activities. One of the major sports event is the **Abhijeet Kadam Cricket Memorial Cup Tournament** is organized in the campus of Bharati Vidyapeeth Educational Complex, New Delhi on a very large scale every year. Various teams of other colleges various colleges of GGSIPU and Other University Colleges participate in this tournament.

The gym runs at separate timings for boys and girls.

Extra-Curricular Activities

The institution is committed to attract students for participating in various extracurricular activities by ensuring consistent encouragement and motivation. The necessary facilities are provided and adequate funds are allotted. The sports and cultural committees supervise the extracurricular activities. The students who participate in the sports activities or other extracurricular activities are provided with extra classes so that the time they have given in for the various activities can be compensated for.

- **Soft Skill Development Facilities**

Academic excellence alone is not enough and cannot guarantee a good career. Certain personality attributes and soft skills are essential not only to get a good job placement but also to be able to contribute and grow in an organization. Taking cognizance of this, the college emphasizes all round development through a range of extracurricular activities as well as organizing and conducting formal Personality Development Program.

Various Personality Development Activities are organized for students for training in communication skills, group discussion, interpersonal skills and interviews, via Guest Lecture, Seminar / Webinars, Workshops, etc.

The whole exercise is intended to increase the employability of students. Amidst an inspiring and invigorating environment, students undergo training that turns them into top notch professionals.

- **Teaching Learning Process**

Curriculum and syllabus for each of the Programmes as approved by the University.

Curriculum is available at GGSIP University website www.ipu.ac.in

- **Academic Calendar of the University**

Guru Gobind Singh Indraprastha University
Sector-16 C, Dwarka, Delhi- 110078.
OFFICE OF DIRECTOR (ACADEMIC AFFAIRS)

Academic Calendar for Academic Session: 2022-23
For all Programmes covered by Ordinance 11
(University Schools of Studies & Affiliated Colleges/Institutions)

S.No.	ODD SEMESTER 2022-23	DURATION	
		From	To
1	Odd Semester (First*, Third, Fifth, Seventh & Ninth Semester) (18 weeks duration with 5 days working)	12-09-2022 (Monday)	13-01-2023 (Friday)
2	Sports Day	13-10-2022 (Thursday)	15-10-2022 (Saturday)
3	Preparatory Leave	16-01-2023 (Monday)	21-01-2023 (Saturday)
4	Semester End Examination	23-01-2023 (Monday)	11-02-2023 (Saturday)
5	Semester Break	13-02-2023 (Monday)	18.02.2023 (Saturday)

S.No.	EVEN SEMESTER 2022-23	DURATION	
		From	To
1	Even Semester (Second, Fourth, Sixth, Eighth & Tenth Semester) (18 weeks duration with 5 days working)	20-02-2023 (Monday)	23-06-2023 (Friday)
2	Anugoonj	23-02-2023 (Thursday)	25-02-2023 (Saturday)
3	Preparatory Leave	26-06-2023 (Monday)	01-07-2023 (Saturday)
4	Semester End Examination	03-07-2023 (Monday)	22-07-2023 (Saturday)
5	Summer Vacation (4 weeks)	24-07-2023 (Monday)	19.08.2023 (Saturday)

* The commencement of first semester for the programmes where admissions are based on JEE mains and other such programmes where admissions may not be completed by 12th September, 2022, will commence from 10th October, 2022 as per AICTE Academic Calendar. A separate Academic Calendar for all such programmes will be notified subsequently.

Important Note:

a) End Semester Examination's schedule(s) for various programme shall be notified by COE.

b) The concerned Deans/Directors are advised to conduct the minor examination as per provision under Clause 10.5 (i) of Ordinance 11.

c) The activities pertaining to the Silver Jubilee celebrations of the University may be considered every Friday 3 p.m to 5 p.m along with Saturdays and Sundays.

- **Academic Time Table with the name of the Faculty members handling the Course**

  The classes, labs, seminars and project work, as specified in the evaluation scheme and syllabus published by the University on its website (www.ipu.ac.in), are conducted in accordance with the time table issued by each department.

- **Teaching Load of each Faculty**

  Teaching load of faculty is distributed as per AICTE norms.

- **Internal Continuous Evaluation System and place**

Ref. No.:- BVCOE/ND/ADM/SN/042/2022-2023   Date:- 11-10-2022

INTERNAL ASSESSMENT SCHEME

(New B.Tech Course Curriculum scheme; A.Y. 2021-2022 and onwards)

All the students admitted in A.Y. 2021-2022 and onwards, are hereby informed that the internal evaluation of theory and practical subjects will be done as per new B.Tech Course Curriculum scheme. The details of the assessment scheme are as under:

I)   **Theory (25 marks)**
a) **Mid Term Examination: (15 Marks)** Based on performance in Mid Term and Supplementary Examinations
b) **Teacher Assessment :- (10 Marks)***

* Teacher Assessment is bifurcated as follow:
1.   **Two Quizzes (Each quiz carries a weightage of 1 marks)**
   - One quizzes to be taken before mid term and one quiz after the mid-term examination. The teacher can take more quizzes if required (Best of 2 will be counted)
   - Quiz 1 will be based on Course Outcome (CO) CO1, CO2
   - Quiz 2 will be based on CO3, CO4
2.   **One Case study (3 Marks)**
   - To be taken after mid term examination
   - Should cover all COs of a course
3.   **Attendance in Theory class: (3 marks)**
   Marks will be awarded to the student on the basis of following criteria
   (i)   Percentage attendance >= 75%: 3 Marks
   (ii)   Percentage attendance between 60% - 75 %: 2 Marks
   (iii)   Percentage attendance between 50%- 60%: 1 Marks
   (iv)   Percentage attendance below 50%: 0 Marks

4. **Innovation Summary/Assignment: (2 Marks)**
   - A student has to submit a report on the allotted research paper/patent/product/services at 2nd/3rd/4th year respectively.
   - The topics will be decided at the Department discretion.
   - A single submitted report will be considered in all theory subjects of a particular semester.
   - For first year subjects, the evaluation of one assignment in each theory subject will be considered.

For Reappear students, Internal assessment (Theory) of 25 Marks will be based on performance in Mid Term Examination (15 Marks); Teacher Assessment (10 Marks)

(1/2)

II) **Lab internal assessment (40 marks)**

There will be two components of lab internal assessment:
- Internal lab Examination and Viva-voce: (20 marks)
- Continuous Lab Assessment: (20 Marks)

a) **Internal lab Examination & Viva: - 20 marks.** An internal Lab examination for each lab course in a semester will be conducted for 20 marks. The bifurcation of the marks is as follows:
- Answer sheet evaluation of the experiment: 5 marks
- Performance & Execution: 10 Marks
- Viva-voce: 5 Marks

b) **Continuous Lab Assessment :- 20 Marks**
- Each experiment will be evaluated out of 20 Marks as per following criteria
  - a)   Lab File :- 10 Marks
  - b)   Attendance :-5 marks
  - c)   Experiment Performance:- 5 marks
- In all 11 Experiments as mentioned in Syllabus are to be performed including the Content beyond Syllabus and cocurricular lab based activity. Different cocurricular lab based activity defined for all years are identified as LCD/GD/Mini project/Viva for $3^{rd}/4^{th}/(5^{th},6^{th})/(1^{st}, 2^{nd}, 7^{th}$ & $8^{th})$ semesters.

For **Reappear students, Internal assessment (Practical)** of 40 Marks will be done as per following:-
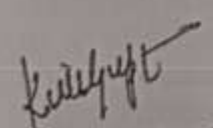
1. **Internal lab Examination & Viva voce: (20 marks)**
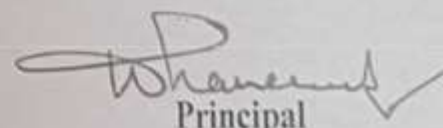
The bifurcation of the marks is as follows:
- Answer sheet evaluation of the experiment:- 5 marks
- Performance & Execution :- 10 Marks
- Viva-voce:-   5 Marks

2. **Continuous Lab Assessment: (20 Marks)**

   As per previous semester record

Dean (Academics)

Principal

Bharati Vidyapeeth
College of Engineering
New Delhi-110063

CC:-

1. All Head of Departments
2. In charge, Exam cell
3. Student Notice Board

16. Enrolment and placement details of students in the last 3 years

Year	Intake 1st Year	Intake 2nd Years LE	Total Intake of 1st Year & 2nd Year LE	Number of Students enrolled in Final Year	Percentage of Students Placed	Number of Students Placed
2019-2020	540	54	594	547	83.65	370 Offers Generated
2020-2021	540	54	594	575	88.20	565 Offers Generated
2021-2022	540	54	594	547	91.14%	789 Offers Generated

17. List of Research Projects/ Consultancy Works

Number of Projects carried out, funding agency, Grant received is mentioned as under:

1. Dr. Vanita Jain (Principal Investigator) and Ms. Alka Leekha (Co- Principal Investigator) has successfully completed project titled "Crop Yield Prediction" The project duration was from September, 2018 to January, 2019. (Imago AI Technologies Private limited) Received Amount: Rs. 25000/-.

2. DST Interdisciplinary Cyber Physical Systems (**ICPS**) DST, Government of India has sanctioned Rs. 14. 98 Lakhs, for "Design and Autonomous Intelligent Drone for City Surveillance" research Project. Dr. Dharmender and Dr. Narina Thakur are serve as Principal Investigator, Dr. Rachna Jain, Dr. Preeti Nagrath and Dr. Jude Hemanth serve as Co- Principal Investigator. The duration of the project is two years, with a start date of 1st April 2019, Project status: Ongoing Project.

3. A grant of 10 lakh for project "A Robotic Arm System that Converts Speech to Sign Language in Real Time" by MIC, AICTE in Smart India Hackathon 2018 (Hardware Edition) at IIT Kanpur.

4. Ministry of Civil Aviation, Airport authority of India has sanctioned 3 Lakhs   fund to the project entitled "Incident Report Submission", Mr. Vishal Sharma served as Principal Investigator, Project status: Project Completed, Project Duration : One year.

5. Indian Council of Medical Research – Funding Rs. 3 Lakhs, Project entitled " Creating a repository of equipments under ICMR Intramural program",   Dr. Lalit Mohan served as Principal Investigator , Project status: Project Completed, Project Duration : One year.

- **Industry Linkage**

    The college has interface with industries at various levels. The areas of industry interface/ interaction include:

    (a) Industrial/Summer Training of students.

    (b) Student projects sponsored by the industry.

    (c) Introduction of extra teaching modules proposed by the industry in the college.

(d) Industrial visits

(e) Campus placements.

(f) Incubator facility

For the Industrial training of all B.Tech. Students after Third Year, the college has linkages with a large number of PSUs and Private sector industry in concerned disciplines. The exposure and association with the industry after the pre-final year provides the student with the requisite orientation for the specialized course and project work which are part of the final year curriculum. A number of students are involved in doing projects with the industry and the college encourages students to undertake industry relevant project work.

With the varied needs of each type of industry, it will never be possible for any curriculum to meet the exact requirement of all industry. There will inevitably be a gap between the training imparted at any academic institution and the job requirements. This gap is filled by providing in-house training to the fresh entrants by the industry.

- **MoUs with Industries (minimum 3 (10))**

List of Companies with which we have functional relationships are mentioned below:

1. NASSCOM Foundation

2. Bhartiya Yuva Shakti Trust

3. AKGEC Skills Foundation

4. Institute for Industrial Development (IID)

5. JTP Co. Ltd.

6. Sunrise Mentors Pvt. Ltd.

7. Decide Precise Technologies

8. Tech Explica

9. Sofcon India Pvt. Ltd.

10. Brain Mentors Pvt. Ltd.

College has a dedicated Incubator Cell. The main objective of this Cell is to produce successful firms that will leave the program financially viable and free-standing. These incubators "graduates" create job, commercialize new technologies, and strengthen national economies. Incubator tenants not only benefit from business and technical assistance, they also benefit from official affiliation with the incubator, a supportive community with an entrepreneurial environment, direct link to entrepreneurs, and immediate networking and commercial opportunities with other tenant firms.

Passout Companies
- Advanced Hydrau Components
- Live Smart
- Sweet Jar
- Vox Ignite
- Edux
- Scribbler notebooks
- Garniche
- What After College
- Next Edge Retails
- PrimoIntel Tech

Running Companies
- Mr. Whitehat
- Trade Pro
- Devorbs
- Banquet Booking

- **Research Paper Publications in National / International Journals:**

Research Papers Published in International Journals

Sr. No.	Author(s)	Title of the Article	Title of the Journal	Month & Year of Publication
1.	**Vanita Jain** Fadi Al-Turjman **Gopal Chaudhary** Devang Nayar Varun Gupta Aayush Kumar	Video captioning: a review of theory, techniques and practices	Multimedia Tools and Applications	Jan, 2022
2.	**Vanita Jain** Qiming Wu Shivam Grover Kshitij Sidana **Gopal Chaudhary** San Hlaing Myint Qiaozhi Hua	Generating Bird's Eye View from Egocentric RGB Videos	Wireless Communications and Mobile Computing	Nov, 2021
3.	Damyanti Singh **Kirti Gupta** Neeta Pandey	A Novel Low-Power Nonvolatile 8T1M SRAM Cell	Arabian Journal for Science and Engineering	Sep, 2021
4.	Damyanti Singh **Kirti Gupta** Neeta Pandey	A novel read decoupled 8T1M nvSRAM cell for near threshold operation	Microelectronics Journal	Aug, 2022
5.	**Monica Gupta** **Kirti Gupta** Neeta Pandey	A Novel PVT-variation tolerant Schmitt-trigger based 12T SRAM cell with improved write ability and high I_{on}/I_{off} ratio in subthreshold region	International Journal of Circuit Theory and applications (SCI)	Sep, 2021
6.	**Kirti Gupta** Vishwas Gosain Neeta Pandey	Adiabatic Differential Cascode Voltage Switch Logic (A-DCVSL) for Low Power Applications	Journal of King Saud University - Engineering Sciences	March, 2022
7.	Ranjana Sivaram **Kirti Gupta** Neeta Pandey	On improving the performance of dynamic positive-feedback source-coupled logic (D-PFSCL) through inclusion of transmission gates	Microprocessors and Microsystems	March, 2022

8.	Archit Gupta Suchika Sachdeva **Arvind Rehalia**	Software Engineering in Healthcare	International Journal for Research in Applied Science & Engg. Tech.	Nov, 2021
9.	Sakshi **Kusum Tharani** Rajit Billowria Nitya Varma Amit Kumar	Laser Communication	International Journal of Broadband Cellular Communication	2021
10.	Chaitanya Chhabra **Kusum Tharani** Sandeep Banerjee Anshika Verma Mridul Bhatia Sarthak Sethi	Grid integration of doubly-fed induction machine using indirect field oriented control	Journal of Information and Optimization Sciences	March, 2022
11.	Bansal Dhruvi Kunal Gupta M. C. Sharen Ganesh Jayesh Goyal **Kusum Tharani** **Sandeep Sharma**	Smart energy meter based on Hall Effect current sensing techniques with IoT modules	Journal of Information and Optimization Sciences	March, 2022
12.	**Arati Kane**	Mathematical Modelling of Thermoelectric Module using Matlab for steady state Analysis	Journal of Environmental science, computer science and Engineering and Technology	Aug, 2022
13.	**Arati Kane**	A review of the Thermoelectric generation for technological upgradation for Enhancement of Acceptability as alternate energy source	International Gravida Review journal	Aug, 2022
14.	Ramesh C. Poonia **Pranav Dass** Linesh Raja Vaibhav Bhatnagar Jagdish Prasad	The Review of Prediction Models for COVID-19 Outbreak in Indian Scenario	3rd International Conference on Sustainable Computing (AISC 2022), Springer, 2022	Jan,2022
15.	**Manoj Sharma** Shivam Kumar Prakhar Priyadarshi Vishal Goyal	Efficient pipelined FFT hardware design for IEEE 754 single precision computing	Journal of Information and Optimization Sciences	June, 2022
16.	**Manoj Sharma** Shivam Kr. Mehra Vishal Goyal	An area efficient FFT and its hardware implement-ation	Journal of Information and Optimization Sciences	May, 2022
17.	**Sharma Manoj** Bhatnagar Ekansh Puri Kartik Mitra Amitav Agarwal Jatin	A Survey of RISC-V CPU for IoT Applications	Elsevier SSRN Series	Feb, 2022
18.	**Yogita Arora** Bhawna Aggarwal Jasdeep Kaur Dhanoa	Low voltage high performance floating gate and quasi floating gate CDTA	Journal of Engineering Research	March, 2022
19.	**K. Sudha** Neeraj Kumar Kusum Tharani Ankita Anand	Real time driver fatigue surveillance system using machine learning	Journal of Information and Optimization Sciences	March, 2022

20.	**Surjeet** Nishu Gupta Ahmad Alkhyyat Isha Bharti Rami Q. Malik Sarmad Nozad Mehmood Firas Abedi	A survey on deep reinforcement learning architectures, application and emerging trends	IET Communications	July, 2022
21.	Sarthak Aggarwal Saksham Sharma **Surjeet Balhara**	A block-chain Based Security Model for IOT Ecosystem	IERJ	June, 2022
22.	Mukul Rustagi **Surjeet**	Effective Usage of Hello Packet and Time Stamp to Improve the End-to-End Delay	Special Issue on Recent Research on Management, Applied Sciences and Technology, Stochastic Modelling & Application	June, 2022
23.	**Surjeet**	Data Security of IoT devices using Block Chain	Special Issue on Recent Research on Management, Applied Sciences and Technology, Stochastic Modelling & Application	June, 2022
24.	Prakhar Sharma **Surjeet**	Modified Expanding Ring Search Based on TTL Optimization for MANETS	Special Issue on Recent Research on Management, Applied Sciences and Technology, Stochastic Modelling & Application	June, 2022
25.	**Bharat Singh** **Neeraj Kumar et al**	Investigation on electric vehicle motor challenges, solutions and control strategies	Journal of Information and Optimization Sciences	March, 2022
26.	**Bharat Singh** **Sandeep Banerjee et al**	Performance comparison between Arduino based dual axis solar tracker and fixed module	Journal of Information and Optimization Sciences	March, 2022
27.	Vansh Panwar Hena Varma Sourav Rawat Piyush Pant **Sandeep Banerjee Sandeep Sharma**	Dynamic model of 3-phase induction motor for control utilities	Journal of Information and Optimization Sciences	March, 2022
28.	Shashwat Pandey **Sandeep Banerjee** Akhil Jayan Kshitij Singh **Sandeep Sharma** **Bharat Singh**	Average model of DC-DC converters including the effect of coil resistance for practical analysis	Journal of Information and Optimization Sciences	March, 2022
29.	Ojas Tiwari Himanshu Goyal **Sandeep Sharma Sandeep Banerjee** Abhishek Anuj Kashyap	Power inverters for solar panels	Journal of Information and Optimization Sciences	March, 2022
30.	N. Gupta **Sandeep Banerjee**	Rooftop-based magnetically levitated VAWT with specially designed guide vanes for enhanced efficiency in distributed generation	International Journal of Power Electronics	June, 2022
31.	**Sushil Kumar et al.**	Certain estimates of normalized analytic functions	Math. Slovaca	2022

32.	**Sushil Kumar et al.**	Coefficient inequalities for certain starlike and convex functions	Hacet. J. Math. Stat.	2022
33.	**Sushil Kumar et al.**	Coefficient functionals and radius problems of certain starlike functions	Asian-Eur. J. Math.	2022
34.	**Sushil Kumar et al.**	Differential Subordinations for functions with positive real part using Admissibility conditions	Asian-Eur. J. Math.	2022
35.	**Sushil Kumar et al.**	Hermitian-Toeplitz and Hankel determinants for certain starlike functions	Asian-Eur. J. Math.	2022
36.	**Sushil Kumar et al.**	Bounds on Hermitian-Toeplitz and Hankel determinants for strongly starlike functions	Bol. Soc. Mat. Mex.	2021
37.	**Sushil Kumar et al.**	Radius Estimates of Certain Analytic Functions	Honam Math	Dec, 2021
38.	**Sushil Kumar et al.**	Normalized Multivalent functions involving some entire Functions	Acta Univ. Apulensis Math. Inform.	Nov, 2021
39.	**Sushil Kumar et al.**	Differential subordination for Janowski functions with positive real part	Studia Universitatis Babes-Bolyai Sociologia	Sep, 2021
40.	**Sushil Kumar et al.**	Applications of Briot-Bouquet differential subordination	Journal of Classical Analysis	Sep, 2021
41.	**Mohit Tiwari** **Pranav Dass**	Comprehensive Revision on the Fabrication and Designing of Engineered nanoparticles	Design Engineering	Dec, 2021
42.	Mohit Tiwari et.al	Credit Card Fraud Detection	Journal of Algebraic Statistics	May, 2022
43.	Mohit Tiwari et.al	Development and Implication of Management Education	International Journal of Special Education	April, 2022
44.	Mohit Tiwari et.al	A Review on the Progress of Management Education	International Journal of Special Education	April, 2022
45.	**Vedika Gupta** **Pranav Dass** Rameshwar Arora	Pendulating or resonating? A case of echo-chambers in twitter	Journal of Discrete Mathematical Sciences and Cryptography	Jan, 2022
46.	**Preeti Nagrath** Tu N. Nguyen Shivani Aggarwal D Jude Hemanth	A comprehensive E-commerce Customer Behavior Analysis using Convolutional Methods	Computers & Electrical Engineering	Dec, 2021
47.	**Vedika Gupta** Stuti Juyal Gurvinder Pal Singh Chirag Killa Nishant Gupta	Emotion recognition of audio/speech data using deep learning approaches	Journal Of Information And Optimization Sciences	Aug, 2021
48.	Shubham **Nikita Jain** **Vedika Gupta** Senthil kumar Mohan Mazeyanti Mohd Ariffin Ali Ahmadian	Identify glomeruli in human kidney tissue images using a deep learning approach	Soft Computing	Aug, 2021

49.	Vedika Gupta **Pranav Dass** Vibhuti Bansal Rameshwar Arora	A truncated deep neural network for identifying age groups in real time images	Journal of Interdisciplinary Mathematics	February, 2022
50.	Varun Srivastava **Shilpa Gupta** Arun Balodi Manju Khari García-Díaz Vicente	An Enhanced Texture-Based Feature Extraction Approach for Classification of Biomedical Images of CT-Scan of Lungs	International Journal of Interactive Multimedia & Artificial Intelligence	Sep, 2021
51.	Chetan Madan Harshita Diddee **Deepika Kumar Shilpa Gupta** Shivani Jindal Mansi Lal	Native Accent Sensitive Voice Cloning Using Pairwise Ranking Based Decoder Models	Mechatronic Systems and Control	December 2021
52.	Nishant Rai **Deepika Kumar** Naman Kaushik Chandan Raj Ahad Ali	Fake News Classification using transformer based enhanced LSTM and BERT	International Journal of Cognitive Computing in Engineering	March 2022
53.	Aayush Khurana Sweta Mittal **Deepika Kumar** Sonali Gupta Ayushi Gupta	Tri-integrated convolutional neural network for audio image classification using Mel-frequency spectrograms	Multimedia Tools & Applications	June 2022
54.	**Deepika Kumar** Varun Srivastava Daniela Elena Popescu Jude D Hemanth	Dual-Modal Transformer with Enhanced Inter- and Intra-Modality Interactions for Image Captioning	Applied Sciences	July 2022
55.	Inderpreet Singh Walia **Deepika Kumar** Kaushal Sharma Jude D Hemanth Daniela E. Popescu	An Integrated Approach for Monitoring Social Distancing and Face Mask Detection Using Stacked ResNet-50 and YOLOv5	Electronics	Dec, 2021
56.	**Deepika Varshney** Dinesh Kumar Vishwakarma	A Unified Approach for Detection of Clickbait Videos on YouTube using Cognitive Evidences	Applied Intelligence	Jan, 2022
57.	**Deepika Varshney**	A unified approach to detecting Misleading images via tracing its instances on Web and analyzing its Past context for the verification of multimedia content	International Journal of Multimedia information retrieval	March, 2022
58.	**S. B. Kumar Abhishek Gandhar Mohit Tiwari Arvind Rehalia Shashi Gandhar**	A topical design of circularly polarized fractal boundary antenna for RF harvesting	Journal of Information and Optimization Sciences	March, 2022
59.	**S. B. Kumar Abhishek Gandhar Mohit Tiwari Arvind Rehalia** Sunil Gupta	Design and analysis of triangular patch antenna with enhanced bandwidth for RF energy harvesting	Journal of Information and Optimization Sciences	March, 2022

60.	**Abhishek Gandhar et al**	An honorable design of S-type vertical axis wind turbine	Journal of Information and Optimization Sciences	March, 2022
61.	**Abhishek Gandhar et al**	An optimized design of warehouse management system for MSME and multilevel industries	Journal of Information and Optimization Sciences	March, 2022
62.	**Abhishek Gandhar et al**	An informative review on recent development of renewable energy system	Journal of Information and Optimization Sciences	March, 2022
63.	Rishabh Singh R. M. Holmukhe **Abhishek Gandhar** Karan Kumawat	5D Printing: A future beyond the scope of 4D printing with application of smart materials	Journal of Information and Optimization Sciences	March, 2022
64.	Yogesh B. Mandake R. M. Holmukhe **Abhishek Gandhar**	A novel design of underground distribution cable fault locator system	Journal of Information and Optimization Sciences	March, 2022
65.	Rahul S. Desai R. M. Holmukhe **Abhishek Gandhar**	Effect on electromagnetic field of the electric machine by gravitational field – An innovative investigation	Journal of Information and Optimization Sciences	March, 2022
66.	Rajesh M. Holmukhe Hitesh Raut **Abhishek Gandhar** Drishti Hans T. S. Hasarmani	Automated load shedding period control system for distribution utility	Journal of Information and Optimization Sciences	June, 2022
67.	R. M. Holmukhe **Abhishek Gandhar** Drishti Hans Pranav V. Paithankar	A simulation study of solar wind hybrid power system	Journal of Information and Optimization Sciences	June, 2022
68.	Saket Tirpude Sachin Sawant R. M. Holmukhe **Abhishek Gandhar** Drishti Hans T. S. Hasarmani	Execution of a 15-level multilevel inverter for hybrid energy storage system (HESS)-based Electric Vehicles	Journal of Information and Optimization Sciences	June, 2022
69.	Rahul S. Desai R. M Holmukhe, **Abhishek Gandhar Kusum Tharani Shashi Gandhar**	An enhanced mathematical modeling structure of electric machine considering the effect of gravitational field	Journal of Interdisciplinary Mathematics,	July, 2022
70.	Diksha Chopade R. M. Holmukhe **Abhishek Gandhar**	Energy audit and conservation of Dental College – A case study	Journal of Information and Optimization Sciences	June, 2022
71.	R. M. Holmukhe Sachin Suresh Sawant **Abhishek Gandhar** T. S. Hasarmani	Practical implementation of 15 level inverter for THD reduction	Journal of Information and Optimization Sciences	June, 2022
72.	**Abhishek Gandhar Et al.**	An Efficient Method to Diagnose Covid 19 using Optimized CNN	International Journal of Intelligent Automation & soft computing, IASC	May, 2022
73.	Ahlawat D. **Gangwar D.** Singh S. Sharma A. Singh S. P. & Lay-Ekuakille	Design of polarization conversion metasurface for RCS reduction and gain improvement of patch antenna for Ku-band radar sensing applications.	Sensors and Actuators A: Physical	Jan, 2022

74.	Ahlawat, D. Singh S. Sharma A. **Gangwar D.** P Singh	Design of low RCS high gain CP slot antenna using polarization conversion metasurface	International Journal of Electronics	March, 2022
75.	Aryan Raj Tiwary Aditya Kumar Gupta Preetish Niket Tapas Khanijo **Jyoti Gupta**	Determination of Metallicity of different Galaxies using Image Processing and Deep Learning Algorithms	International Journal of Innovative Research in Engineering	July – Aug, 2022
76.	Krittika Agrawal **Poras Khetarpal**	Computational intelligence in edge and cloud computing	Journal of Information and Optimization Sciences	May, 2022
77.	Akshit Rawat Sarthak Mishra Yash Sharma **Poras Khetarpal**	Feature space reduction method for classification based detection of Parkinson's disease using vocal signals	Journal of Information and Optimization Sciences	Jan, 2022
78.	Akshit Rawat Sarthak Mishra Yash Sharma **Poras Khetarpal**	High accuracy multilayer auto encoder trained classification method for diagnosis of Parkinson's disease using vocal signals	Journal of Information and Optimization Sciences	Jan, 2022
79.	**Ruchi Sharma**	Fruitfly optimizer with deep neural network for the detection of brain tumours using EEG signals	Journal of Information and Optimization Sciences	Feb, 2022
80.	**Ruchi Sharma**	An ece epidemic model with migration	Journal of interdisciplinary mathematics	Feb, 2022
81.	Poornima Suryvanshi **Monica Bhutani** Ashutosh Dubey Chirag Keshri Divya Arora	Analytical Modeling for Single Image Super Resolution	International Journal for Modern Trends in Science and Technology	March, 2022
82.	Jaspreet Singh Charanjeet Singh Yuvraj Singh Chamandeep Singh **Monica Bhutani**	Smart Shopping Trolleys for Secure and Decentralized Services	Book Chapter in Green Computing in Network Security: Energy Efficient Solutions for Business and Home, CRC Press	Jan, 2022
83.	**Monica Bhutani** Anjali Gupta Brejesh Lall Abhishek Dixit	FD-OMAC: A Novel Full-Duplex Optical Media Access Control for IEEE 802.15.7	IEEE Access	Nov, 2021
84.	**Annu Dabas** Richa Yadav Maneesha Gupta	Improved performance recycling folded cascode OTA using multipath positive feedback and pseudo differential pair for biasing	Sadhana Journal, Springer	Aug, 2022
85.	**Ashish Kumar** Ruchir Ahluwalia	Breast Cancer Detection Using Machine Learning and Its Classification	Cancer Prediction for Industrial IoT 4.0: A Machine Learning Perspective	Dec, 2021
86.	**Ashish Kumar** Rishit Jain	Behavioral Prediction of Cancer using Machine Learning	Cancer Prediction for Industrial IoT 4.0: A Machine Learning Perspective	Dec, 2021

87.	**Ashish Kumar** Revant Singh Rai Mehdi Gheisari	Prediction of cervical cancer using machine learning	Cancer Prediction for Industrial IoT 4.0: A Machine Learning Perspective	Dec, 2021
88.	**Suman Yadav** **Manjeet Kumar** Richa Yadav Ashwni Kumar	A Novel Approach to Design Optimal Digital FIR Filter based on Logistic Distribution Based Approximation	International Journal of Electronics	Jan, 2022
89.	**Suman Yadav et al.**	A novel approach for optimal design of digital FIR filter using grasshopper optimization algorithm	ISA Transaction, Elsevier	Aug, 2021
90.	**Gopal Chaudhary** Manju Khari Mohamed Elhoseny	Digital Twin Technology	Computational Intelligence for Information Retrieval, CRC Press, 2021	Oct, 2021
91.	**Gopal Chaudhary** Manju Khari Mohamed Elhoseny	Multimodal Human Eye Blink Recognition Using Z-score Based Thresholding and Weighted Features	International Journal of Interactive Multimedia & Artificial Intelligence	June, 2022
92.	Vishal Srivastava Smriti Srivastava **Gopal Chaudhary** Xiomarah Guzmán-Guzmán Vicente García- Díaz	On Comparing the Performance of Swarm-Based Algorithms with Human-Based Algorithm for Nonlinear Systems	Arabian Journal for Science and Engineering, Springer	24 August, 2021
93.	Gurumurthy Komanapplalli **Priyanka Gupta**	A New Realization of Third-order Inverse Bandpass filter and its application as an oscillator	Journal of Circuits, Systems and Computers	Nov, 2021
94.	**Priyanka Gupta** Rajeshwari Pandey	Low Power Squaring Circuit using Single Voltage Differencing Buffered Amplifier	Journal of Circuits, Systems and Computers	June, 2022
95.	**Surinder Kaur** **Gopal Chaudhary** Dinesh Kumar	PCANet based biometric system with fusion of palmprint and dorsal hand vein	JIFS, IOS press	Jan, 2022
96.	**Surinder Kaur** **Gopal Chaudhary** Smriti Srivastava Manju Khari Ruben Gonzalez Crespo Javalkar Dinesh Kumar	Exploiting feature space using overlapping windows for improving biometric recognition	Computers & Electrical Engineering	Dec, 2021
97.	**Gopal Chaudhary** **Puneet Singh Lamba** Harman Singh Jolly Sakaar Poply Manju Khari Elena Verdú	Predictive text analysis using eye blinks	Computers & Electrical Engineering, 96, 107554	Dec, 2021
98.	H. M. Afzal Suhuai Luo Saadallah Ramadan Manju Khari **Gopal Chaudhary** Jeannette Lechner-Scott	Prediction of Conversion from CIS to Clinically Definite Multiple Sclerosis Using Convolutional Neural Networks	Computational and Mathematical Methods in Medicine	Aug, 2022

99.	Gaurav Kataria Akansh Gupta V Sirish Kaushik **Gopal Chaudhary** **Vedika Gupta**	Fingerprint Alterations Type Detection and Gender Recognition Using Convolutional Neural Networks and Transfer Learning	Computational Intelligence for Information Retrieval, CRC Press	2021
100.	Meenu Gupta Narina Thakur Dhruvi Bansal **Gopal Chaudhary** Battulga Davaasambuu Qiaozhi Hua	CNN-LSTM Hybrid Real-Time IoT-Based Cognitive Approaches for ISLR with WebRTC: Auditory Impaired Assistive Technology	Journal of Healthcare Engineering	Feb, 2022
101.	Gurnani, R. Rastogi S. Chitkara S.S. Kumari **Abhishek Gagneja**	Goal-Oriented Obstacle Avoidance by Two-Wheeled Self Balancing Robot	Smart Innovation, Systems and Technologies, Springer	2022
102.	**Gagneja Abhishek** Amit Kumar Gupta Lall Brejesh	Statistical Optimization of FPN Hyper-parameters for improved Pedestrian Detection	1st International Conference on Informatics (ICI)	2022
103.	**Gagneja Abhishek** Bansal Mayank Arora Aditya Lall Brejesh	On the efficacy of Pedestrian Detection in Indian Road Scenario	1st International Conference on Informatics (ICI)	2022
104.	**Rastogi Shikha** Singh J.	Human fall detection and activity monitoring: a comparative analysis of vision-based methods for classification and detection techniques	Soft Computing	2022
105.	**Parul Yadav**	Blindfold: A smartphone based Object Detection Application	International journal for research in Applied Science & Engg. Tech.	Aug, 2021
106.	**Sarita Yadav**	Performance Analysis and Altitude Optimization of UAV-Enabled Dual-hop Mixed RF-UWOC System	IEEE Transactions on Vehicular Technology	Nov.2021
107.	**Rachna Tewani** **Achin Jain** Eshika Agarwal Disha Mittal **Arun Kumar Dubey**	An efficient extraction of information from Indian Government issued documents Aadhar and Pan Card	Fusion: Practice and Applications	2021
108.	Akshita Waldia Pragati Garg Priyanka Garg **Rachna Tewani** **Arun Kumar Dubey** **Anurag Agrawal**	Crop Recommendation Using Machine Learning,	Fusion: Practice and Applications	2021
109.	**Khurana Anshu** Verma O. P.	Selection for Imbalanced Text Classification	IEEE Transactions on Artificial Intelligence	2022
110.	**Puneet Singh Lamba** Shitiz Gupta Shubham Agnihotri Deepasha Birla Achin Jain Thavavel Vaiyapuri	Image Caption Generation and Comprehensive Comparison of Image Encoders	Fusion: Practice and Applications	Aug, 2021

111.	**Achin Jain** **Puneet Singh Lamba**	Visualizing the impact of home advantage in national basketball association- Nba	Computer Applications: An International Journal (CAIJ)	Aug, 2021
112.	Akshit Nassa Shubham Gupta Pranjal Jindal **Achin Jain** **Puneet Singh Lamba**	A Personalized Recommender System	Fusion: Practice and Applications	2021
113.	**Puneet Singh** Lamba Deepali Virmani Manu S Pillai **Gopal Chaudhary**	Multimodal Human Eye Blink Recognition Using Z-score Based Thresholding and Weighted Features	International Journal of Interactive Multimedia & Artificial Intelligence	June, 2022
114.	**Srishti Vashishtha** Seba Susan	Neuro-fuzzy network incorporating multiple lexicons for social sentiment analysis	Soft Computing, Springer	November, 2021
115.	**Sudha. K.** Saba Khalili Vanshika Mittal Abhilasha Bhatnagar Aayushi Singh	Disease Prediction System Using Machine Learning	Journal Of Control & Instrumentation [JoCI]	2021
116.	**Sudha.K** Tanishque Shandilya Apoorav Nikhil Arya	Real Time Face Mask Detection with Deep Learning	International Journal Of Analog Integrated Circuits [IJAIC]	2021
117.	A. Bhattacharya **Sandeep Banerjee** Saksham Girotra Gaurang Bhardwaj Hridesh Shukla	Simulation and Design of Closed Loop Controlled Buck-Boost Converter	International Journal of Electrical Power System and Technology	2021
118.	Shashwat Pandey **Sandeep Banerjee** Akhil Javan Kshitij Singh	Utility of Wi-Fi SoC in Hydroponics for Assistive Technology	International Journal of Digital Communication and Analog Signals	2021
119.	**Sandeep Sharma** **Sandeep Banerjee** Pranjali Bora Sravani Sai M,Tanisha Barol **Sudha.K**	Forest fire prevention part I : Prediction and web-based analysis	Journal of Information and Optimization Sciences	March, 2022
120.	**S Banerjee et al.**	Average model of DC-DC converters including the effect of coil resistance for practical analysis	Journal of Information and Optimization Sciences	March, 2022
121.	**S Banerjee et al.**	Grid integration of doubly-fed induction machine using indirect field oriented control	Journal of Information and Optimization Sciences	March, 2022
122.	**S Banerjee et al.**	Power inverters for solar panels	Journal of Information and Optimization Sciences	March, 2022
123.	**Sandeep Sharma et al.**	Study of optimization techniques for optimal location of facts devices	Journal of Information and Optimization Sciences	March, 2022

124.	Drishti Hans **Shashi Gandhar** Ayush Aggarwal Ishita Batra Kartick H Singh	A review on piezoelectric energy for smart street and traffic lights	Journal of Information and Optimization Sciences	March, 2022
125.	**Shashi Gandhar** Kirti Sharma Nakul Verma Divyam Goel Yuvraj Shubham	A real-time solar powered fire detection system	Journal of Information and Optimization Sciences	March, 2022
126.	**Shashi Gandhar** Kirti Sharma Nakul Verma Divyam Goel Yuvraj Shubham	Modelling of hybrid electric vehicle drive train using simulink	Journal of Information and Optimization Sciences	March, 2022
127.	**Shashi Gandhar**	A mathematical framework of ANFIS tuned UPQC controlled RES based isolated microgrid system	Journal of Interdisciplinary Mathematics	July, 2022
128.	**Shashi Gandhar**	Wireless Power Transmission by Resonant Power Converters for Charging of Evs	Journal of Instrumentation and Innovation Sciences	May-August, 2022
129.	Divij Kumar **K. Sudha** Aditya Gaur Ajay Sharma Vandana **Sandeep Sharma**	Assistive ultrasonic sensor based smart blind stick using fuzzy logic	Journal of Information and Optimization Sciences	March, 2022
130.	**Rajesh Kumar et al.**	Quantum mechanical model of information sharing in social network	SNAM	April, 2021
131.	**Rajesh Kumar et al.**	Minimizing the Effect of Cascade Failure in Multilayer Networks with Optimal Redistribution of Link Loads	Journal of Complex network	Dec, 2021
132.	**Rajesh Kumar et al.**	Maintainable stochastic communication network reliability within tolerable packet error rate	Computer Communication	July, 2021
133.	**Mihika Mahendra** Shweta Kumari Maneesha Gupta	Low voltage fully differential OTA using DTMOS based self cascode transistor with slew-rate enhancement and its filter application	Integration, The VLSI Journal (Elsevier)	May, 2022

Research Papers Published in National Journals

Sr. No.	Author(s)	Complete Title of the Article or Chapter in Book	Title of the Journal/ Book	Month & Year of Publication
1.	Ravinder Kumar Shukla **Kusum Tharani** Anshul Sharma Rahul Sen Gupta Ravi Pandey	Wastewater management in developed and developing countries	Recent trends in Fluid Mechanics	2021
2.	Damyanti Singh Neeta Pandey **Kirti Gupta**	MS 8T1M nvSRAM Cell with Improved Write Performance	International Mobile and Embedded Technology Conference (MECON)	April, 2022
3.	Mehul Madaan Aniket Kumar Shubham Kumar Aniket Saha **Kirti Gupta**	Handwriting Generation and Synthesis: A Review	Second International Conference on Power, Control and Computing Technologies (ICPC2T)	March 2022
4.	Devansh **Bharat Singh** Saksham Kumar Ajay Raj Aakash Gupta	Single Axis Solar Tracking System Using Arduino And 555 Timer IC	Journal of Thermal Engineering and Applications	2021
5.	**Sumit Chawla** Ranganath M. Singari	Integrated TOPSIS-PROMETHEE-MOORA model for material selection of crankcase cover	Indian Journal of Engineering and Materials Sciences (IJEMS)	Oct, 2021
6.	**Rubeena Vohra** K. C. Tiwari	Object based land cover classification using multi-sensor remote sensing data	Addressing environmental challenges through spatial planning, IGI Global	Nov, 2021
7.	**Bharat Singh** Ankur Chowdhury Akash Dixit Vishal Mishra Ankur Jain	Investigation on Direct Torque Control of BLDC Motor Using Various Controllers	Journal of Instrumentation Technology and Innovation (JoITI)	2021
8.	Abhinav Raj **Sandeep Banerjee** Pranav Grover Yuvraj Rathore Tapash Nayak	Affordable Water Quality Monitoring System Using IOT RC Boat	Journal of Instrumentation and Innovation Sciences	July, 2022
9.	**Srishti Vashishtha** Yukta Yadav Yukti Agrarwal	Impact caused by COVID-19 on Mental Health: word- level analysis	Journal of Multi Disciplinary Engineering Technologies	Aug, 2021

18. LOA and subsequent EOA till the Current Academic Year

The copy of LOA and subsequent EOAs from A.Y. 1999 – 2000 to till date are uploaded on our College Website https://bvcoend.ac.in/index.php/aicte-eoa/

19. Accounted audited statement for the last year

Audited Statement for last Financial Year 2021-2022 is attached as **Appendix "D"**

20. Best Practices adopted, if any

Due to Covid-19, following practices adopted for online teaching-learning process:

(i) Preparation of good quality video lectures for both theory and practical for students benefits.

(ii) Preparation of Soft copy of handwritten lecture notes of the corresponding video lectures.

(iii) Promoting the faculty members for undergoing the faculty development programs at various levels.

Annexure – I
Requirements vs. Availability of Built-up Area for
Bharati Vidyapeeth's
College of Engineering (BVCOE), New Delhi
(For B. Tech. Programme(s) with 540 annual Intake)
As per Latest AICTE Norms based upon the AICTE APH for the year 2022-2023

Sr. No.	Area Details	Area (in Sq. Mt.)	Remarks
1.	Administrative Area	945.00	
2.	Programme Specific Instructional Area (for B. Tech. Programme)	5604.00	
3.	Sub-Total of Academic Area (Carpet Area) (1+2)	6,549.00	5,999.00 Sq. Mt. Area exclusively available with the College
4.	Amenities	470.00	
5.	Total (3+4)	7,019.00	@ 3.24 sq. mt. per student. For B. Tech. Programme(s) with 540 intake, as per latest AICTE Norms
6.	25% Circulation	1,755.00	
7.	Total required Built-up Area by August, 2023 for the year 2023-2024 (5+6)	8,774.00	@4.06 sq. mt. per student. Required by August, 2023 for the year 2023-2024 for B. Tech. Programme(s) with 540 intake, as per latest AICTE Norms.
8.	Total required Built-up Area for 180 students, who will be joining by August, 2023 for the year 2023-2024 @4.06 sq.mt. x 180 = 731	731.00	180 students of 4th Year B. Tech. students will be admitted by August, 2023. Hence, 731 sq. mt. (i.e. 4.06 x 180 = 731) area shall be need in August, 2023 for the academic year 2023-2024.
9.	Total required Built-up Area by August, 2022 for the year 2022-2023 (7-8)	8,043.00	Hence, total required area for 2022-2023 will be 8,774 – 731 = 8,043 sq. mt.
10.	Total Area Exclusively Available with BVCOE as on 30th April, 2022	8,056.00	Area exclusively available with the College, as detailed hereunder:- A-Block: 05 Floors | 2,391 sq. mt. (478.2 sq.mt. Each Floor) B-Block: 05 Floors | 2,695 sq. mt. (539 sq.mt. Each Floor) C-Block: 02 Floors | 914 sq. mt. (457 sq.mt. Each Floor) Adjacent Building: 04 Floors | 2,056 sq. mt. (514 sq.mt. Each Floor)
11.	'F' Block	3,784.69	

	(Under construction, which will be ready by July, 2023, before start of the Academic Year 2023-2024)		
12.	Total Area Exclusively Available with BVCOE by August, 2023 (10+11)	11,840.69	
13.	'G' Block (Under construction, which will be ready by December, 2023)	3,292.18	
14.	**Total Area Exclusively Available with BVCOE by December, 2023 (12+13) (Total of FAR Area)**	15,132.87	
15.	**Total of Non-FAR Area** (Sanctioned by MCD)	5,431.39	
16.	Grand Total (14+15) (FAR + Non-FAR Area)	20,564.26	Availability of Total Built-up Area with BVCOE by December, 2023.
17.	Total Area of Desirable Amenities available in the Campus in Adjacent Building	2,768.00	This area is available in the Campus as Centralized facilities like Cafeteria, Auditorium, Bank & ATM, Staff Quarter, Hostel, Guest House, Amphitheatre, Gymnasium, etc. from the Amenities Central Pool of 4,824 sq. mt.

PRINCIPAL
Bharati Vidyapeeth's
College of Engineering
A-4, Paschim Vihar,
New Delhi-63

OCCUPANCY CERTIFICATE

मु० प्रेस—जाब 614—५ कितायें अलेख में 100 × 4—14-9-95

परिशिष्ट 'च'

प्रपत्र—1

(उपविधि सं० 7, 6)

दिल्ली नगर निगम

पत्र प्रेषण सं. 31/5.5/B/42/05
नक्शा सं. P-13 (50) 2nd/Bg dt-8/01/08

क्रमांक **1331**
दिनांक 19/10/06

श्री/श्रीमती/कुमारी ...... Bharti Vidyapeeth College of engineering ......

अधिभोग प्रमाणा-पत्र

आपकी समापन सूचना दिनांक 19/7/05 ...... के संदर्भ में मैं एतद्द्वारा प्रमाणित करता हूँ कि वार्ड सं. A-4 ...... ब्लाक सं. Paschim Vihar ...... स्कीम में निर्मित भवन का, जिसका विवरण नीचे दिया गया है तथा जिसके नक्शे क्रमांक P-13 (50) 2nd/Bg dt 8/01/08 द्वारा स्वीकृत किये गये थे, अग्रम उपविधियों के सन्दर्भ में तथा निर्गमित सम्बन्धी सूचना, अग्नि सुरक्षा, उसके घुमाव तथा पास-पास की सफाई की स्थिति के सम्बन्ध में निरीक्षण किया गया और वहे अधिभोग के योग्य घोषित किया जाता है।

G.F
1) Principal office — one NO
भूतल मंजिल
2) Vice Principle office — one NO
3) Conference room — one NO
4) General office — one NO
5) varsity Hall — one NO
6) Entrance Lobby — one NO
7) Work shop — one NO
8) Store — one NO
9) Fire fyghting room — one NO
10) Toilets — 06 NOS
11) W.C — 17 Nos
12) Lift — 03 NOS
13) Staircase — 03 NOS
14) Passage — 3 NOS
15) Library — one NO
16) Labs — 03 NOS

दूसरी मंजिल

First Floor
1) 13 Labs — 06 NOS
2) Workshop 01 NO
3) Lobby — 03 NOS
4) Passage — 03 NOS
5) Exam room — 01 NO
6) Drawing hall — 01 NO
7) W.C — 16 NOS
8) Corridor — 1 NO
9) Toilet — 04 NOS

संलग्न : प्रमाणित/समाप्ति स्थान की प्रतिलिपि

निर्गमित का विवरण
10) Staircase — 03 NOS
पहली मंजिल 11) Class rooms — 01 NOS

S.F
1) Class rooms — 04 Nos
2) Labs — 05 NOS
3) Drawing Hall — 01 NO
4) Lobby — 03 NOS
5) Passage — 02 NOS
6) Fire Lobby — 01 NOS
7) W.C — 16 NO
8) Toilet — 0 UNO
9) Stair case — 03 NOS
10) Lift — 03 NOS

बरसाती मंजिल

T.F
1) Lab — 07 NOS
2) Drawing hall 01 NO
3) Lobby — 03 NOS
4) Passage — 2 NOS
5) Class rooms — 03 NOS
6) Fire Lobby — 01 NO
7) W.C — 16 NO
8) Staircase — 02 NOS
9) Toilet — 04 NOS
10) Lift — 03 NOS

Terrace 1) mumty — 01 NO
2) over head water tank — two NOS
3) Lift machine room — one NO

हस्ते प्रायुक्त 19/10/06
दिल्ली नगर निगम

परिशिष्ट 'ख'

प्रपत्र—I

(उपविधि सं॰ 7, 6)

दिल्ली नगर निगम

D-255|EE(B)I|W2|09

पत्र मै॰संख्या सं॰ 13155|B|W2|09 दि॰ 8-5-09

नगर न॰ 5264/n/H8/2005/77/AE/B1/ITO6 दि॰ 10.11.06

क्रमांक ......1375.....

दिनांक .....10/5/2009.....

श्री श्री(भारती) द्वारो Director Bharati Vidyapeeth , College of Engineering.
A-4 Paschim Vihar Rohtak Road New Delhi.

अधिभोग प्रमाण-पत्र

योजना समाप्त सूचना दिनांक .....8.5.2009..... के संदर्भ में मैं एतद्द्वारा प्रमाणित करता हूं कि खसरा सं॰ A-4 Paschim Vihar Rohtak Road 4 Delhi. नक्शा सं॰ Rohtak Road स्कीम में निर्मित भवन का, जिसका विवरण नीचे दिया गया है तथा जिसके नक्शे क्रमांक 5X64/n/H8/2005 दि॰ 10 11 06 द्वारा स्वीकृत किये गये थे, भवन उपविधियों के सन्दर्भ में तथा निर्माण सम्बन्धी सुरक्षा, अग्नि सुरक्षा, उसके अन्दर तथा आस-पास की सफाई की स्थिति के सम्बन्ध में निरीक्षण किया गया और उसे प्रतिभोग के योग्य घोषित किया जाता है ।

निर्माण का विवरण

निचली मंजिल

1. Boys Hostel Room	—	1 No.
2. Dining Room	—	1 No
3. Kitchen	—	1 No
4. Pantry	—	1 No
5. Washing	—	1 No
6. W.C.	—	2 Nos
7. Bath	—	2 Nos
8. Passage	—	1 No.
9. Porch	—	1 No.
10. Stair case	—	1 No.

दूसरी मंजिल

1. Boys Hostel	—	4 Nos
2. Lobby	—	1 No.
3. W.C	—	2 Nos
4. Bath	—	2 Nos
5. Passage	—	1 No
6. Stair case	—	1 No

संलग्न : प्रमाणित समाप्ति स्थान की प्रतिलिपि

पहली मंजिल

1. Boys Hostel	—	4 Nos.
	—	1 No
2. Lobby	—	2 Nos
3. W.C.	—	2 Nos
Bath		
Passage	—	1 No
Stair case	—	1 No.

THIRD FLOOR

1. Boys Hostel	—	4 Nos
2. Lobby	—	1 No.
3. W.C	—	2 Nos
4. Bath	—	2 Nos
5. Passage	—	1 No
6. Stair case with pantry	—	1 No

कृते बायुक्त
दिल्ली नगर निगम

Executive Engineer (Building)
West Zone
Municipal Corporation of Delhi

FIRE FIGHTING CERTIFICATE

FORM 'H'
FORM FOR ISSUING FIRE SAFETY CERTIFICATE
[Refer sub - rule (1) of rule 35]
GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI
HEAD QUARTERS: DELHI FIRE SERVICE, CONNAUGHT PLACE
NEW DELHI

No: 52/373/775/700/w 4/ 63   Dated: 3 9/ 01/ 2 0 2 0

FIRE SAFETY CERTIFICATE

Certified that the building of Bharati Vidyapeeth's College of Engineering located at A – 4, Paschim Vihar, Rohtak Road, New Delhi – 110063 comprised of Ground Plus Three Upper floors has already been issued fire safety certificate vide letter no. F6/DFS/MS/2016/WZ/1667 dated 11/11/2016. The premises was re – inspected by the officer from this department on dated 09-01-2020 in the presence of Sh. Pramod Patil (Estate Manager) and observed that all the fire prevention & fire safety arrangements as provided in the premises found in good working condition. The premises have therefore deemed complied with rule 33 of the Delhi Fire Service Rule, 2010 and that the building/premises is fit for occupancy class Educational Building Group B Sub Division B - 2, with effect from 24 / 01 /2020 in accordance with rule 36 unless renewed under rule 37 or sooner cancelled under rule 40 and subject to compliance of the conditions under rule 38 of the Delhi Fire Service Rules, 2010.

Issued on ....24/ 01/ 2020 at New Delhi.

(DHARAMPAL BHARDWAJ)
DY.CHIEF FIRE OFFICER

Copy to:-
1.   The Principal,
        Bharati Vidyapeeth's College Of Engineering,
        A – 4, Paschim Vihar, New Delhi - 110063

Conditions for the validity of Fire Safety Certificate:

1. All the fire safety arrangement provided their in shall be maintained in good working conditions at all times.
2. Loss of life or property due to non functional fire safety measure shall be at the responsibility of the management.
3. The trained fire fighting staff should be available round the clock.
4. Any deviation with regard to the construction etc shall be verified by the concerned building sanctioning agency.
5. This certificate cannot be treated in any case for regularizations of unauthorized construction.
6. "The owner / Occupier shall apply for renewal of this Fire Safety Certificate to the Director in Form 'J' [sub rule (1) of rule37] along with a copy of this Certificate, six months prior to its expiry".
7. There shall not be more than 45 students in class rooms in any case.

AUDITED STATEMENT FOR THE F. Y. 2021 – 2022

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING
A-4, PASCHIM VIHAR, NEW DELHI -110 063.

BALANCE SHEET AS ON 31st MARCH 2021

LIABILITIES	SUB AMOUNT	AMOUNT	ASSETS	SUB AMOUNT	AMOUNT
SUNDRY CREDITORS			FIXED ASSETS		
As per Annexure 'D'		5,35,80,672.00	As per Annexure 'A1'		3,52,50,100.00
GRANTS			GRANT ASSETS		
As per Annexure 'D1'		7,43,282.00	As per Annexure 'A2'		42,150.00
CAUTION MONEY DEPOSIT			INVESTMENT & DEPOSIT		
Balance as per last B/s	1,48,33,400.00		As per Annexure 'B'		6,15,90,980.00
Add: during the Year	27,60,000.00				
Less : Paid During the Year	22,25,000.00	1,53,68,400.00	SUNDRY DEBTORS		
			As per Annexure 'C'		33,49,367.72
BHARATI VIDYAPEETH PUNE					
Balance as per last B/s	91,98,794.00				
Add : During the Year	14,43,098.70				
less : During The year	1,29,946.00	1,05,11,946.70			
B.V. REGIONAL OFFICE NEW DELHI			CLOSING BALANCES		
Balance as per last B/s	1,25,75,839.00		Cash In Hand		
Add : During the Year	2,35,55,553.00		Bharati Sahakari Bank - A/C No.06	1,76,96,927.33	
less : During The year	-	3,61,31,392.00	SBI A/C No. 31976258020	17,97,785.39	1,94,94,712.72
INCOME & EXPENDITURE A/c					
Balance as per Last B/s	(24,71,113.16)				
Add : During The year (Surplus)	58,62,730.90	33,91,617.74			
TOTAL		11,97,27,310.44	TOTAL		11,97,27,310.44

Place : Pune

Date :   /   / 2021

Examined and found correct subject to our report of even dated

For M/s.V.A.Dudhedia & Co.

Chartered Accountants

Principal
B.V. College of Engineering
New Delhi

Director (Audit & Finance)
Bharati Vidyapeeth, Pune

Joint Secretary
Administration
Bharati Vidyapeeth, Pune

V.A.Dudhedia
(Partner)

BHARATI VIDYAPEETHS'S
COLLEGE OF ENGINEERING
A-4, PASCHIM VIHAR, NEW DELHI - 110 063
INCOME & EXPENDITURE ACCOUNTS FOR THE YEAR ENDED 31st MARCH 2021

EXPENDITURE	SUB AMOUNT	AMOUNT '	INCOME	SUB AMOUNT	AMOUNT '
TO SALARIES & ALLOWANCES			BY FEES		
TEACHING STAFF	7,03,33,255.00		TUTION FEE		22,89,88,024.00
NON - TEACHING STAFF	1,25,46,897.00	8,28,80,152.00			
			BY OTHER FEES		
TO HONORARIUM (TEACHING)		35,17,000.00	STUDENT ACTIVITY FEE	21,34,000.00	
			OTHER RECEIPTS	10,52,156.00	31,86,156.00
TO GRATUITY		3,36,53,049.00			
TO PROVIDENT FUND (EMPLOYERS)		15,43,290.00	BY BANK INTEREST		
			BANK INTREST		29,40,580.00
TO ESIC (MGT SHARE)		99,158.00			
TO BUILDING RENT		1,00,00,000.00			
TO PROPERTY TAX		13,22,421.00			
TO ADMINISTRATIVE EXPENSES 'E'		4,46,97,720.40			
TO EDUCATIONAL EXPENSES 'F'		2,02,15,247.70			
TO LABORATORY EXPENSES		2,57,562.00			
TO REPAIRS & MAINTENANCE		2,50,32,730.00			
TO DEPRECIATION		60,33,699.00			
TO SURPLUS		58,62,730.90			
(EXCESS OF INCOME OVER EXPENDITURE)					
TOTAL '		23,51,14,760.00	TOTAL '		23,51,14,760.00

Place : Pune

Date :   /   / 2021

Examined and found correct subject to our report of even dated

For M/s.V.A.Dudhedia & Co.
Chartered Accountants

Principal
B.V. College of Engineering
New Delhi

Director (Audit & Finance)
Bharati Vidyapeeth, Pune

Joint Secretary
Administration
Bharati Vidyapeeth, Pune

V.A.Dudhedia
(Partner)

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING
A-4, PASCHIM VIHAR, NEW DELHI - 110063
RECEIPT & PAYMENT STATEMENT FOR THE YEAR ENDED 31st MARCH - 2021

RECEIPTS	SUB AMOUNT	AMOUNT	PAYMENT	SUB AMOUNT	AMOUNT
TO OPENING BALANCE			BY SALARIES & ALLOWANCES		
CASH IN HAND	-		BY TEACHING STAFF		
BHARATI SAHAKARI BANK - 06	67,14,738.65		BASIC PAY(TEACHING)	3,12,89,613.00	
STATE BANK OF INDIA A/C NO. 31076258020	43,65,285.19	1,10,80,023.84	D.A (TEACHING)	3,03,05,841.00	
			H.R.A (TEACHING)	23,22,632.00	
TO FEES			T.A. (TEACHING)	63,19,169.00	
TUTION FEE		22,89,88,024.00	SPECIAL ALLOWANCE	96,000.00	7,03,33,255.00
TO OTHER FEES			BY HONORARIUM (TEACHING)		
STUDENT ACTIVITY FEE	21,34,000.00		HONORARIUM EXP (TEACHING)	34,35,750.00	
OTHER RECEIPTS	10,52,156.00	31,86,156.00	HINORARIUM ADJUNCT	81,250.00	35,17,000.00
			BY GRATUITY		3,36,51,049.00
TO BANK INTEREST					
BANK INTREST	12,71,404.00		BY NON - TEACHING STAFF		
FDR INTREST	16,69,176.00	29,40,580.00	BASIC PAY (NON TEACHING)	54,96,286.00	
			D.A (NON TEACHING)	53,00,259.00	
TO OTHER TRANSACTION			H.R.A (NON TEACHING)	4,00,702.00	
ALUMNI CHARGES	4,40,000.00		T.A. (NON TEACHING)	12,87,250.00	
AUDIT FEE PAYABLE	1,10,500.00		SPECIAL ALLOWANCE	62,400.00	1,25,46,897.00
AVINASH	1,32,455.00				
VANITA JAIN	1,29,447.00		BY PROVIDENT FUND (MGT SHARE)		15,43,296.00
NITIKA SHARMA DST	2,63,925.00				
PRAGATI SHARMA	60,383.00		BY ESIC (MGT SHARE)		98,156.00
ESIC PAYABLE	12,816.00				
G.G.S.I.P.UNIVERSITY RECEIVABLE	2,72,99,050.00		BY BUILDING RENT		1,00,00,000.00
SHASHWAT KUMAR	27,442.00				
SREENIVASULU DAKALA	77,430.00		BY PROPERTY TAX		13,22,421.00
INCOME TAX SALARY PAYABLE	4,27,950.00				
C.S. VAIDYA	5,900.00				
LIC OF INDIA PAYABLE	8,218.00		BY ADMINISTRATIVE EXPENSES		
LIV ARCH FURNISHERS	14,89,642.00		ADMINISTRATIVE EXPENSES	95,25,000.00	
NET SALARY PAYABLE	70,57,060.00		ADVERTISEMENT EXP	76,830.00	
TECHNOSALES MULTIMEDIA TECH.PVT.LTD.	8,11,165.00		AFFILIATION FEE	8,25,000.00	
PREPAID EXPENSES	6,28,584.00		AUDIT FEE (EXTERNAL)	1,18,000.00	
PROVIDENT FUND (EMPLOYERS) PAYABLE	2,55,426.00		BANK COMMISSION	30,268.40	
RACHANA TEWANI	72,960.00		CAMPUS DEVELOPMENT EXPENSES	1,14,30,000.00	
SERVICE APPLICATION FORMS	900.00		CLEANING CHARGES	49,13,367.00	
UNIVERSITY EXAM GRANT	5,50,866.00		ELECTRICAL CONSUMABLE	4,71,256.00	
FEE PAYABLE	33,85,638.28	4,52,49,757.28	ELECTRICITY CHARGES	37,10,430.00	

RECEIPTS	SUB AMOUNT	AMOUNT	PAYMENT	SUB AMOUNT	AMOUNT
			GENERATOR EXP	1,50,366.00	
TO B V REGIONAL OFFICE NEW DELHI		2,35,55,553.00	INSURANCE EXPENSES	3,33,680.00	
			MANPOWER CONTRACT CHARGES	13,38,046.00	
TO GRATUITY PAYABLE		5,35,04,159.00	ISO 9001-2015	53,495.00	
			ARCHITECT FEE	9,10,415.00	
TO CAUTION MONEY DEPOSIT		27,60,000.00	MISC EXP	67,215.00	
			OFFICE CONTIGENCY	76,20,000.00	
TO LIBRARY BOOKS		17,862.00	POSTAGE EXP	5,856.00	
			PRINTING & STATIONERY	1,86,640.00	
TO BHARATI VIDYAPEETH PUNE		14,43,098.70	SECURITY CHARGES	27,64,824.00	
			TELEPHONE CHARGES	21,187.00	
TO GRANT ASSET			TRAVELLING EXP	21,849.00	
AICTE - ASSET (MODROB)	16,000.00		WATER CHARGES	1,23,794.00	4,46,97,720.40
NATIONAL ARCHIVERS INDIA - ASSET	1,080.00	17,080.00			
			BY EDUCATIONAL EXPENSES		
TO GRANTS			BOOK BINDING EXP	40,200.00	
DST GRANT (DAIDCS)		3,00,210.00	COLLEGE MAGZINE	20,350.00	
			DHE SHARE	1,49,51,141.00	
			EXAM EXPENCESS	57,171.00	
			GUEST LECTURERS EXP	5,000.00	
			INTERNET LAB. EXP.	8,81,208.00	
			LIBARARY JOURNAL & PERIODICALS	1,39,480.00	
			PATENT IPR CELL	3,500.00	
			SEMINAR/WORKSHOP/CONFERENCES/FDP	82,196.00	
			SOFTWARE EXP	19,28,220.70	
			SPORTS/GYMKHNA	1,300.00	
			SUMMER / Winter Training EXP	16,41,488.00	
			TRAINING & PLACEMENT EXP.	20,369.00	
			INCUBATION CENTER EXP	4,425.00	
			STUDENT ACTIVITY EXP	4,39,219.00	2,02,15,247.70
			BY LABORATORY EXPENSES		
			APPLIED CHEMISTERY LAB EXP	815.00	
			APPLIED PHYSICS LAB EXP.	684.00	
			COMPUTER DEPT EXP	70,503.00	
			ELECTRONICES& TEL DEPT EXP	1,65,959.00	
			ICE DEPT. EXP.	272.00	
			IT DEPT EXP	19,329.00	2,57,562.00
			BY CAUTION MONEY DEPOSIT		22,25,000.00

RECEIPTS	SUB AMOUNT	AMOUNT	PAYMENT	SUB AMOUNT	AMOUNT
			BY REPAIRS & MAINTENANCE		
			BUILDING MAINTENANCE	2,28,77,911.00	
			EQPT MAINTENANCE	10,85,530.00	
			FURNITURE REPAIRS & MAINTENANCE	10,03,234.00	
			GARDEN EXP\ MAINTANACES	22,822.00	
			LIFT MAINTANCES	17,000.00	
			PETROL EXP/ VEHICLE MAINT.	26,233.00	2,50,32,730.00
			BY CAPITAL EXPENSES		
			IT DEPT EQPT	2,47,769.00	
			ELECTRICAL DEPT EQPT	81,520.00	
			ELECT & TEL DEP EQPT	16,64,865.00	
			FURNITURE & DEAD STOCK	15,70,617.00	
			MUSIC EQUIP	8,15,380.00	43,80,151.00
			BY BHARATI VIDYAPEETH PUNE		1,29,946.00
			BY FDR		6,15,43,980.00
			BY GRANTS		
			AICTE - GRANT	16,000.00	
			AICTE GRANT BVPSIHS	3,22,769.00	
			DST GRANT (DAIDCS)	6,31,228.00	
			NATIONAL ARCHIVERS INDIA - GRANT	1,080.00	
			AAI PROJECT GRANT HACKATHON	1,16,483.00	
			DRDO GRANT - RESEARCH PROJECT	4,29,858.00	
			ICMR PROJECT GRANT HACKATHON	13,421.00	15,30,839.00
			BY OTHER TRANSACTIONS		
			AUDIT FEE PAYABLE	1,08,000.00	
			ATRIYA AIR CONDITIONER	20,946.00	
			ESIC EE SHARE PAYABLE	7,966.00	
			ESIC PAYABLE	14,904.00	
			ERA ELECTRICAL	1,59,419.00	
			G.G.S.I.P.UNIVERSITY PAYABLE	2,00,63,200.00	
			GRATUITY PAYABLE	14,28,570.00	
			NITIKA SHARMA DST	2,86,133.00	
			INCOME TAX SALARY PAYABLE	2,95,310.00	
			LIC OF INDIA PAYABLE	8,218.00	
			PREMIER TRADING CORPORATION	4,357.00	
			RACHNA TEWANI	1,52,815.00	
			NET SALARY PAYABLE	77,59,191.00	
			LIV ARCH FURNISHERS	4,89,642.00	
			PREPAID EXPENSES	1,89,333.00	
			PROVIDENT FUND (EMPLOYERS) PAYABLE	2,74,152.00	
			TECHNOSALES MULTIMEDIA TECH.PVT.LT	4,01,165.00	
			UNIVERSITY EXAM GRANT	5,82,070.00	
			FEE RECEIVABLE	82,72,154.00	4,05,19,545.00

RECEIPTS	SUB AMOUNT	AMOUNT	PAYMENT	SUB AMOUNT	AMOUNT
			BY CLOSING BALANCE		
			CASH IN HAND	-	
			BHARATI SAHAKARI BANK - 06	1,76,96,927.33	
			STATE BANK OF INDIA A/C NO. 31976258020	17,97,785.39	1,94,94,712.72
TOTAL		35,30,42,503.82	**TOTAL**		35,30,42,503.82

Place : Pune
Date :   /   / 2021

Examined and found correct subject to our report of even dated
For M/s.V.A.Dudhedia & Co.
Chartered Accountants

Principal
B.V. College of Engineering
New Delhi

Director (Audit & Finance)
Bharati Vidyapeeth, Pune

Joint Secretary
Administration
Bharati Vidyapeeth, Pune

V.A.Dudhedia
(Partner)